

1947

1947 Lee County Extension Service Report

Clemson University Cooperative Extension Service

W. L. Bryant

V. F. Linder

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ANNUAL REPORT

COUNTY AGENT WORK

Lee

County

SOUTH CAROLINA

1947

W. L. BRYANT

County Agent

V. F. LINDER

Assistant County Agent

Assistant County Agent

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina

DEC 18 1947

ANNUAL REPORT OF COUNTY AGENT'S WORK

LEE COUNTY, SOUTH CAROLINA

1947

W. L. BRYANT, COUNTY AGENT

V. F. LINDER, ASSISTANT COUNTY AGENT

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

CLEMSON AGRICULTURAL COLLEGE AND THE

UNITED STATES DEPARTMENT OF

AGRICULTURE COOPERATING

EXTENSION SERVICE

D. W. WATKINS, DIRECTOR

CLEMSON, SOUTH CAROLINA

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SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

General Activities

1. Days agent's spent in office.....	148
2. Days agent's spent in field.....	444
3. Days agent's worked.....	592
4. Miles agent's traveled.....	19625
5. Farm visits.....	1615
6. Different farms visited.....	954
7. Office calls at agent's office.....	5131
8. Telephone calls at agent's office.....	3998
9. Meetings held or attended.....	215
10. Attendance at these meetings.....	11391
11. Number communities in which extension program was conducted.	27
12. Number farmers conducting demonstrations.....	59
13. Number voluntary community leaders assisting with program...	111

PROJECT ACTIVITIES AND RESULTS

Peacetime Agricultural ProgramFood & Feed Production & Conservation Program

The Food & Feed Production & Conservation Program which was carried out in Lee County in 1947 was the peacetime pursuit of the program organized in the county during the spring of 1940 as The Better-Farm-Living and Food For Victory Program. The program was re-designed somewhat to meet the changes necessitated by the end of the war followed by a hungry world. Special emphasis has been placed on soil-building and the planting of more acres in food and feed crops, especially grain for food and more acreage planted to grazing for livestock and poultry. Emphasis was stressed on the efficient use of farm machinery due to the labor supply.

This program has been featured in news articles, news letters, public meetings, personal visits, 4-H clubs and adult method and result demonstrations.

The 1947 Program has been planned and furthered by the agricultural leaders of the county to meet present conditions.

Agricultural Economics

One county-wide and 5 community Outlook meetings were held with an attendance of 150 farmers and farm leaders. One farm and home account record was completed. Gave advice and worked closely with 5 landlord-tenant relationship projects conducted in the county. Cooperated with Farm Credit agencies. 8 meetings on agricultural planning with 1,133 attending was held.

Lee County farm families borrowed through the Production Credit Association during 1946 to raise the total amount loaned to a new high. The farmers of the county borrowed \$243,244.83 and as of December 1 only \$795.00 was outstanding.

Most farmers are seeking advice and making plans for a more diversified type of farming; this attitude being more or less forced upon them by the still acute labor shortage, high cost of available labor, mechanized farming, agricultural education, good prices and marketing outlets.

Agricultural Engineering

Farm building plans were furnished for 127 farm buildings and 114 items of farm equipment. Assistance and advice were given as follows: 3 farmers in erecting and operating electric hotbeds; 8 farmers in constructing fire heated sweet potato hotbeds; 1 farmer in constructing and operating manure heated hotbeds for sweet potatoes; 2 farmers in converting 3 old farm buildings into tenant houses; 4 farmers in construction of 4 wood tobacco barns; 1 farmer in constructing cement block sweet potato curing house; 3 farmers in constructing cement block smook houses and 2 farmers were assisted in building permanent hog farrowing houses. A number of farmers were advised as to the proper method of curing and storing sweet potatoes.

Demonstrations were conducted as follows: 3 soybean seed harvesting; 4 lespedeza seed harvesting; 2 seed sweet potato hill selecting; 16 small grain combine harvesting (illustrating the correct method of harvesting seed); 1 permanent tobacco seed bed; 4 hog self feeders; 3 fence post treatment; 1 assembling and operating tobacco sprayer; 1 construction of tobacco barn furnace and held one farm machinery school.

Agronomy

One Outlook Information meeting was held with 79 farmers present. 26 five-acre cotton improvement and 19 five-acre corn contest demonstrations were completed. 25 farmers were assisted in obtaining germination and purity test on 65 lots of cottonseed. 4 wheat production demonstrations were completed. 5 farmers were assisted in obtaining germination test on 6 samples of oat seed. 4 farmers were assisted in obtaining germination test on 4 samples of wheat seed. 1 farmer was assisted in obtaining germination and purity test on 1 sample of abruzzi rye seed. 2 farmers were assisted in obtaining germination and purity test on 5 samples of giant green butter bean seed. 1 farmer was assisted in obtaining germination and purity test on 1 sample of combine milo hegari seed. 1 farmer was assisted in obtaining germination and purity test on 1 sample of biloxi soybean seed and 1 farmer was assisted in obtaining germination test on 5 samples of giant striata crotalaria seed. Cooperative orders were placed for 1,088 lbs. clover seed; 3,703 lbs. italian rye grass seed; 7,351 lbs. vetch seed; 19,398 lbs. dixie wonder pea seed; 32,000 lbs. austrian winter pea seed; 31 lbs. abruzzi rye seed; 279 lbs. combine milo hegari seed; 2 bu. barley seed; 159 lbs. dallis grass seed; 8,550 lbs. kobe lespedeza seed; 123 lbs. carpet grass seed; 2 bu. velvet bean seed; 4 bu. biloxi soybean seed; 10½ bu. oototan soybean seed; 55 lbs. bermuda grass seed; 100 lbs. Ky-31 fescue grass seed; 86 bu. seed corn and 84 bu. cow peas.

158 farmers were assisted in planting a mixture of Italian Rye grass seed, Crimson clover, Rye, Oats and Vetch for winter grazing pasture.

More farmers have planted winter grazing pastures than ever before in the county.

Animal Husbandry

Placed 23 purebred boars; 26 purebred gilts and sows; 6 purebred beef bulls; 8 purebred beef cows; 9 beef type steers and 4 purebred dairy bulls and 10 purebred dairy calves and heifers. Assisted farmers in marketing 1,569 hogs weighing 331,985 lbs. that netted farmers \$75,452.82. Conducted 6 burdizzo demonstrations; 4 cattle dehorning demonstrations; 3 cutting and curing of meat demonstrations; 3 bull ringing demonstrations; 4 tatooing demonstrations; 11 castrating demonstrations; 2 marking pigs demonstrations and 1 halter making demonstration.

Placed the following dual purpose cattle: 3 purebred females and 1 purebred bull.

Dairying

Cooperated with farmers in obtaining 4 dairy bulls. Worked with local health department in obtaining milk for school lunches. Assisted 6 farmers in obtaining 19 purebred dairy cows and heifers. Assisted 25 farmers in selling \$6,039.00 worth of dairy products. Submitted request for 26 farmers to have 80 dairy cattle tested for Bangs and TB.

Entomology and Plant Pathology

Conducted bill bug damage survey. Advised 427 farmers on control of various insects and diseases. 64 farmers advised in control of cattle lice and 31 on rodent control. 3 method demonstrations were given on controlling peach borer. Publicity given to boll weevil infestation and control. Gave advice to 971 farmers on the use of DDT and put on 5 DDT spraying demonstrations.

Forestry

4 planting demonstrations given. Placed orders for 56,000 pine seedlings. Cooperated with local Forestry Protective Association. Referred 10 farmers to State forester for timber estimates and advice on marketing timber. Placed 84 pounds of Cork Oak seedling acorns and conducted 1 heeling demonstration.

4-H Club Work

Seven clubs organized with 147 members and 97 project completions. 4 boys made 34 entries in the local Fair; 4 boys made 28 entries in the Sumter County Fair and 2 boys made 27 entries at the State Fair. These entries included hogs, steers, dairy calves, corn and sweet potatoes. 7 boys entered the Sears Pig Contest with 6 receiving assistance through the Sears Fund. Ten 4-H club boys exhibited and sold 83 hogs at the Lee County Fat Barrow Show and Sale.

4-H Achievement Day was held with 175 in attendance. The Bishopville Kiwanis Club held a 4-H Day at the County Fair where 300 4-H club members, club leaders and advisers were feted with a Barbecue dinner. Many valuable awards were made on Leadership and 4-H Project Achievement. 43 boys enjoyed a week at Camp Bob Cooper. 7 boys exhibited and sold 14 steers at the Florence Fat Stock Show.

Horticulture

3 fire-heated hotbed; 2 electric heated hotbed and 4 manure heated hotbed demonstrations were completed. 3 sweet potato production demonstrations were completed. 95 nut and fruit trees were ordered for 12 farmers and 500 tulip bulbs ordered for 5 farmers. Conducted 2 watermelon, 2 grape-vine pruning and 2 proper method of setting fruit trees demonstrations.

Farmers were aided in selling farm products valuing \$323,849.88 and in cooperative and other purchasing of supplies to the value of \$117,348.02.

Poultry

6 poultry culling demonstrations conducted. 1 cooperative sale of poultry and turkeys were made netting farmers \$744.91. 3,600 chicks were ordered cooperatively. 5 farmers were assisted in obtaining blood test on their flock. 2,617 dozen eggs purchased through two receiving points in the county and sold for \$1,046.80.

Visual Instruction

Showed educational motion pictures to 784 people at 9 meetings and took 64 snap shots of demonstration projects.

Publicity

A total of 1,963 personal letters written. 53 circular letters prepared with 24,145 copies mailed; 209 news articles published and 3,132 bulletins distributed. 195 square inches of newspaper space was used by sponsors in advertising the Food & Feed Production & Conservation Program.

I. COUNTY, COMMUNITY AND NEIGHBORHOOD ORGANIZATION OF VOLUNTEER FARM AND HOME LEADERS

1. County Agricultural Committee:

- (a) The members of the County Agricultural Committee were selected by the county and home agent with the advice and consent of representatives of other agricultural agencies in the county. It has been revised at various times when the efficiency would be improved by so doing.
- (b) The County Agricultural Committee consists of the following members:

Lucknow)	
Schrock's Mill	)	W. A. Johnson, R-2, Cassatt, SC
Turkey Creek	)	Mrs. T. H. Clyburn, R-1, Bethune, SC
St. Matthews)	
Stokes Bridge	)	L. B. Brown, R-2, Bishopville, SC
Una Alcot)	

Cypress	) D. D. Grant, R-2, Lamar, SC
Wayside	) H. W. Merck, R-2, Bishopville, SC
Mt. Pleasant)
Bishopville	) R. E. McLendon, Bishopville, SC
Elliott	) C. M. Mimms, Elliott, SC
	) M. G. McDowell, R-2, Lynchburg, SC
	) W. W. Player, Jr., Elliott, SC
St. Charles	) R.A. Cousar, R-3, Bishopville, SC
Riverside)
South Lynchburg	) Mrs. B. P. Johnson, Lynchburg, SC
	) J. E. DuRant, Lynchburg, SC
Lynchburg	) R. M. Prince, Lynchburg, SC
	) J. W. Sprott, Lynchburg, SC
Ashwood	) Luther Smith, R-1, Oswego, SC
	) W. E. Pace, R-3, Bishopville, SC
Central	) J. R. Bradham, R-1, Oswego, SC
Pisgah	) W. H. Shiver, R-1, Rembert, SC
Spring Hill	) C. H. Peebles, R-1, Camden, SC
Cedar Creek	) Mrs. W. B. Davis, R-1, Bishopville, SC
Hickory Hill	) Mrs. Addie E. Brown, R-1, Bishopville, SC
A. A. A.	) Carey R. Kilgore, Jr., Bishopville, SC
F. H. A.	) Sam O'Dell, Bishopville, SC
Forestry Service	) E. B. Stuckey, Bishopville, SC
Production Credit)
Association	) J. H. Wilson, Sumter, S. C.
S. C. S.	) W. G. Patterson, Bishopville, S. C.
Lee County Service)
Officer	) L. M. Peebles, Bishopville, SC
Farm Bureau	) Ed Baskin, Bishopville, SC
Extension Service	) W. L. Bryant, Bishopville, SC
	) V. F. Linder, Bishopville, SC
	) Mary Ida Warner, Bishopville, SC
	) Frieda Carter, Bishopville, SC
Council of Farm)
Women	) Mrs. Lawton Beasley, R-2, Bishopville, SC
4-H Club Representa-)
tive	) Mrs. C. B. Player, R-3, Bishopville, SC

2. County Executive and Sub-Committees:

(a) Assistance To Returning Veterans

J. H. Watson, Bishopville, SC
 Carey R. Kilgore, Jr., Bishopville, SC
 W. G. Patterson, Bishopville, SC
 Archie Beatty, Wisacky, SC
 C. M. Mimms, Elliott, SC
 R. E. McLendon, Bishopville, SC
 Sam O'Dell, Bishopville, SC
 L. M. Peebles, Bishopville, SC
 J. Frank DesChamps, Bishopville, SC
 W. L. Bryant, Bishopville, SC
 V. F. Linder, Bishopville, SC
 Mary Ida Warner, Bishopville, SC
 Frieda Carter, Bishopville, SC

(b) Marketing Committee:

Harry Elmore, R-1, Bishopville, SC
 C. B. Player, R-3, Bishopville, SC
 J. E. DuRant, Lynchburg, SC

(c) County Labor Committee:

C. M. Mimms, Elliott, S. C.
 Tom Clyburn, R-1, Bethune, SC
 J. E. DuRant, Lynchburg, SC
 R. E. McLendon, Bishopville, SC
 C. B. Player, R-3, Bishopville, SC
 W. L. Bryant, Bishopville, SC
 V. F. Linder, Bishopville, SC

(d) County Adult 4-H Club Committee:

Garvis Hancock, R-1, Oswego, SC
 R. E. Hudgens, Lynchburg, SC
 Mrs. C. B. Player, R-3, Bishopville, SC
 Mrs. B. P. Johnson, Lynchburg, SC

3. Representatives On State Agricultural Committee:

(a) State Agricultural Planning Committee:

C. M. Mimms, Elliott, SC
 Mrs. Lawton Beasley, R-2, Bishopville, SC
 M. G. McDowell, R-2, Lynchburg, SC
 Mrs. T. H. Clyburn, R-1, Bethune, SC

4. Duties And Responsibilities Of County Executive Committees:

- (a) To develop a well rounded and coordinated Agricultural Program for the county which will be sound, equitable and within the reach of farm people.

- (b) To be familiar with programs of each agency affecting agriculture, and recommend activities that each shall undertake within the county so that the work of all agencies may be properly correlated.
- (c) To develop statements of agricultural conditions in the county and transmit recommendations for a coordinated county program to the State Agricultural Planning Committee.
- (d) To assist returning veterans with problems related to purchase and management of farms.
- (e) To assist farmers with various problems connected with marketing farm products.
- (f) To aid in giving information in regards to the Labor Program of the county and to help formulate plans to meet these problems when possible.
- (g) To advise on matters pertaining to building a well rounded long range 4-H Club Program.

5. Community and Neighborhood Organization:

- (a) The county is divided into 11 communities and 27 neighborhoods to carry the various special programs to the people of the county. Following is a list of communities with their respective neighborhoods and the number of voluntary workers in each community and neighborhood:

ASHLAND

Ashland-Liberty
Hill Community

C. W. Windham, Chr., R-2, Bishopville, SC
 Mrs. Thomas Melton, V-Chr., R-2, Hartsville, SC
 A. W. Woodham, R-2, Bishopville, SC
 Miss Ethel Grantham, R-2, Hartsville, SC
 J. T. Smith, R-2, Bishopville, SC
 Mrs. C. W. Windham, R-2, Bishopville, SC
 Mrs. Glee McKenzie, R-2, Bishopville, SC

Hebron
Community

H. M. Mozingo, Chr., R-2, Bishopville, SC
 W. B. Beasley, V-Chr., R-2, Bishopville, SC
 Mrs. Warden Shirley, R-2, Bishopville, SC
 Mrs. Jack Woodham, R-2, Bishopville, SC
 Mrs. J. W. Hicks, R-2, Hartsville, SC
 Mrs. Harvey Woodham, R-2, Bishopville, SC
 Mrs. H. M. Mozingo, R-2, Bishopville, SC

CYPRESS

Una-Alcot
Community

Ralph Bell, Chr., R-2, Hartsville, SC
 Mrs. Lawton Beasley, V-Chr., R-2, Bishopville, SC
 Mrs. E. H. Hearon, R-2, Bishopville, SC
 H. B. Woodham, R-2, Bishopville, SC
 Mrs. C. M. Hill, R-2, Bishopville, SC

Cypress
Community

D. D. Grant, Chr., R-2, Lamar, SC
Mrs. Carl Thomas, V-Chr., R-2, Lamar, SC
W. H. Fields, R-2, Lamar, SC
Mrs. W. H. Fields, R-2, Lamar, SC

Wayside
Community

H. W. Merck, Chr., R-2, Bishopville, SC
Mrs. H. W. Merck, V-Chr., R-2, Bishopville, SC

Mt. Pleasant
Community

L. R. Parnell, Chr., R-2, Lamar, SC
L. L. Caston, V-Chr., R-2, Lamar, SC

LUCKNOW

Schrock's Mill
Community

W. A. Johnson, Chr., R-2, Cassatt, SC
W. S. Lee, V-Chr., R-2, Cassatt, SC
Mrs. J. A. Johnson, R-2, Cassatt, SC

Lucknow
Community

C. M. Stokes, Chr., R-4, Bishopville, SC
W. A. Hancock, V-Chr., R-4, Bishopville, SC
Mrs. E. A. Hall, R-4, Bishopville, SC
Mrs. George Radcliff, R-4, Bishopville, SC

TURKEY CREEK

Turkey Creek
Community

Mrs. T. H. Clyburn, Chr., R-1, Bethune, SC
Tom Clyburn, V-Chr., R-1, Bethune, SC
Mrs. Foster Gardner, R-1, Bethune, SC
Mrs. R. A. Newsom, R-4, Bishopville, SC

St. Matthews
Community

Mrs. H. L. Mazingo, Chr., R-4, Bishopville, SC
Mrs. Rothwell Tedder, V-Chr., R-4, Bishopville, SC
Ira B. Newsom, R-4, Bishopville, SC
Mrs. Ira B. Newsom, R-4, Bishopville, SC

CEDAR CREEK

Cedar Creek
Community

Gene Boykin, Chr., R-1, Bishopville, SC
Mrs. W. B. Davis, V-Chr., R-1, Bishopville, SC
Mrs. S. J. Cook, R-1, Bishopville, SC

Ionia
Community

H. C. Boykin, Chr., R-1, Camden, SC
Kershaw Corbett, V-Chr., R-1, Camden, SC
Mrs. Jasper J. Davis, R-1, Bishopville, SC

Hickory Hill
Community

V. C. Caughman, Chr., R-1, Bishopville, SC
M. N. White, V-Chr., R-1, Bishopville, SC
Mrs. Johnnie Elmore, R-1, Bishopville, SC

Reedy Branch
Community

Mrs. L. E. Hall, Chr., R-4, Bishopville, SC
O. D. Peebles, V-Chr., R-1, Bishopville, SC
Mrs. L. M. Kennington, R-4, Bishopville, SC

CENTRAL

Central
Community

L. A. White, Chr., R-1, Dalzell, SC
Mrs. R. R. McCutchen, V-Chr., R-1, Rembert, SC
C. G. Gladden, R-1, Camden, SC
Mrs. Ned Stafford, R-1, Dalzell, SC

Woodrow
Community

J. C. Heriot, Chr., R-1, Dalzell, SC
James R. Bradham, V-Chr., R-1, Oswego, SC
W. L. Hancock, R-2, Dalzell, SC
W. M. Bass, R-1, Dalzell, SC
Mrs. W. L. Hancock, R-2, Dalzell, SC

Pisgah
Community

Victor McLeod, Chr., R-1, Camden, SC
Ralph White, V-Chr., R-1, Camden, SC
J. K. Richbourg, R-1, Camden, SC
Mrs. T. B. White, R-1, Camden, SC

Egypt
Community

W. H. Shiver, Chr., R-1, Rembert, SC
Mrs. C. M. Shiver, V-Chr., R-1, Rembert, SC
E. A. Bradley, R-1, Rembert, SC

ASHWOOD

Ashwood
Community

W. E. Pace, Chr., R-1, Oswego, SC
Luther Smith, V-Chr., R-1, Oswego, SC
A. F. Stafford, R-1, Oswego, SC
Mrs. C. D. Wright, R-3, Bishopville, SC

ST. CHARLES

St. Charles
Community

L. F. Josey, Chr., St. Charles, SC
G. D. Wilson, V-Chr., R-1, Mayesville, SC
C. B. Player, R-3, Bishopville, SC
R. M. Jenkins, R-1, Mayesville, SC
Mrs. R. M. Jenkins, R-1, Mayesville, SC

Mt. Clio
Community

M. R. Mathis, Chr., R-3, Bishopville, SC
C. W. Josey, V-Chr., R-3, Bishopville, SC
Mrs. C. W. Josey, R-3, Bishopville, SC

ELLIOTT

Elliott
Community

M. G. McDowell, Chr., R-2, Lynchburg, SC
Mrs. W. J. Hammond, V-Chr., Elliott, SC
C. M. Mimms, Elliott, SC
Mrs. C. M. Mimms, Elliott, SC
M. F. Mooneyhan, Elliott, SC
W. W. Atkinson, R-3, Bishopville, SC
Mattie J. Cousar, R-3, Bishopville, SC
W. W. Player, Jr., Elliott, SC

Wisacky
Community

Archie Beatty, Chr., Wisacky, SC
Robert E. Josey, V-Chr., R-3, Bishopville, SC
Mrs. Will McLendon, R-3, Bishopville, SC

BISHOPVILLE

Bishopville
Community

V. S. Goodyear, Chr., Bishopville, SC
W. P. Baskin, Jr., V-Chr., Bishopville, SC
J. R. Barnes, R-1, Bishopville, SC

LYNCHBURGLynchburg
Community

R. M. Prince, Chr., Lynchburg, SC
 A. V. McElveen, V-Chr., Lynchburg, SC
 E. T. Stokes, Lynchburg, SC
 Vernon Boyce, Lynchburg, SC
 J. W. Sprott, Lynchburg, SC
 J. D. Dougherty, Jr., Lynchburg, SC
 D. E. Tallon, Lynchburg, SC

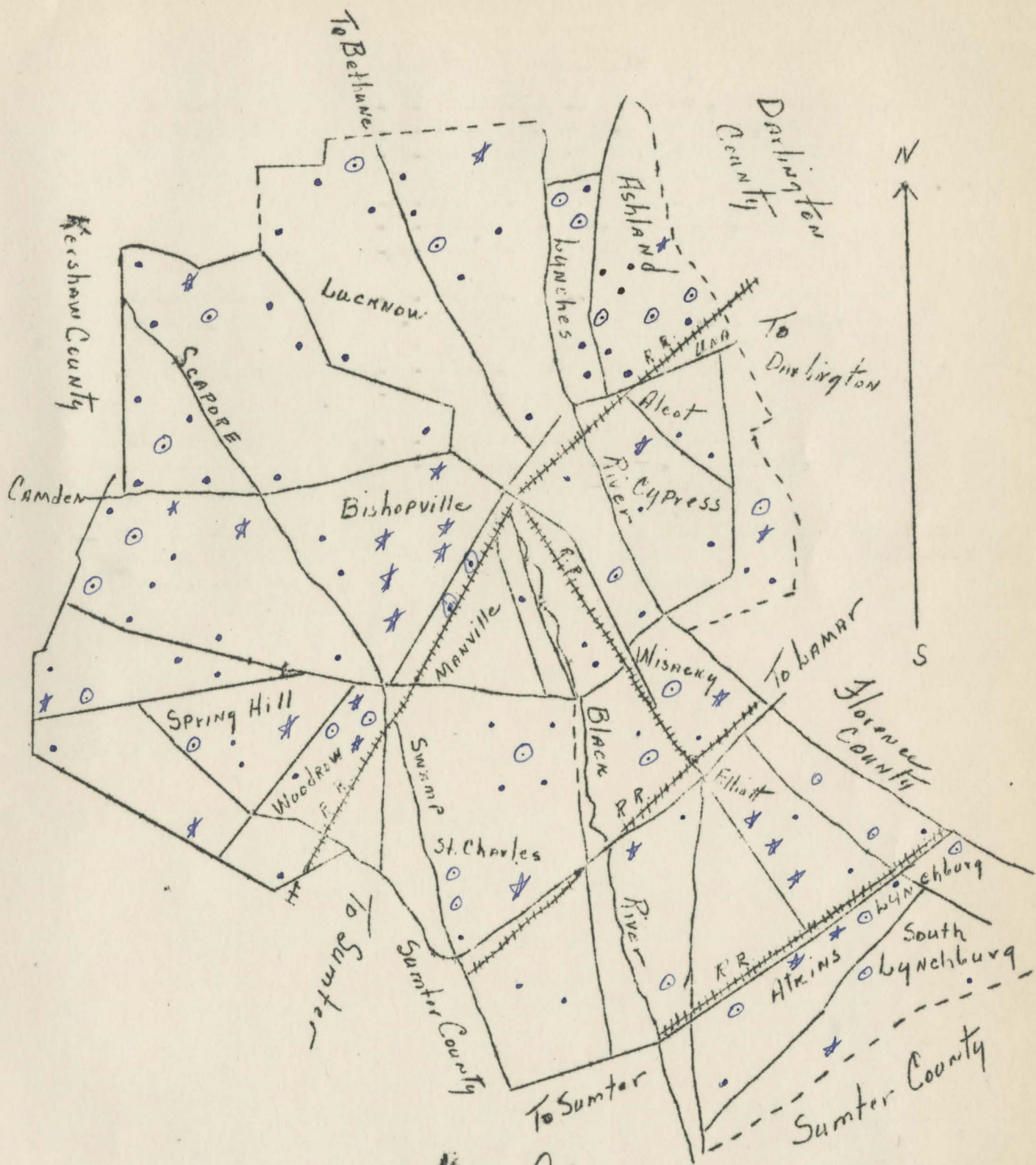
South Lynchburg
Community

J. E. DuRant, Chr., Lynchburg, SC
 Mrs. Lucille McKnight, V-Chr., Lynchburg, SC
 Miss Bessie Hinson, Lynchburg, SC
 D. L. Gibbs, Lynchburg, SC
 T. H. Edens, Lynchburg, SC

Atkins-Rhodes
X Roads
Community

J. A. Harker, Chr., Atkins, SC
 S. M. Rhodes, V-Chr., R-1, Mayesville, SC
 Hugh Witherspoon, R-1, Mayesville, SC

6. On the following Page is map of county showing the location of organized communities and neighborhoods with symbols showing location of residences of voluntary county, community and neighborhood leaders:



MAP OF
Lee County

- ★ County Committeemen
- Community Leaders
- Neighborhood Leaders

7. Programs and Campaigns Handled Through Voluntary Leaders

1. Food and Feed Production and Conservation Program: Conditions after the war made it essential that all out production of most crops was as necessary as during hostilities. This program was carried on in 27 organized neighborhoods with the assistance of 111 voluntary community leaders.

Meetings have been held in all communities in furtherance of the program. Letters have been written and newspaper articles published weekly containing timely information. Personal visits have been made and demonstrations held to furnish desired information.
2. Liming Program: Transportation and labor shortage hindered the lime program greatly and only 138 farmers ordered and received 2,751 tons of limestone during 1947.
3. Home Garden Program: Special emphasis was given to this part of the program. It is estimated that 97% of all farm families in the county and 54% of town families planted home gardens.
4. Small Grain: A bumper yield of oats was made from a record acreage planted for 1947, and indications are that a sizeable acreage will be planted for 1948. The demand for oats was strong this fall with good prices. A large acreage has been planted for winter and spring grazing. Favorable grain prices will most probably cause an increase in planted acres for 1948.
5. Corn: 28 farmers of the county joined the 5-Acre Corn Contest with 19 completing with an average yield of 73.4 bu. per acre. Highest yield checked to be 113.9 bu. per acre. There is a definite trend to increase yields through fertilization and improved cultural practices.
6. Wheat For Food: Every family was urged to produce at least enough wheat to supply their needs of wheat for farm use. Due to efforts, many farm families were able to produce enough wheat for family use and some to sell. The outlook now indicates that more acres of wheat will be planted for 1948 than 1947. This being a result of the good price for wheat this year and the fact that the farmer can plant and harvest this crop mechanically.
7. Sweet Potatoes: Lee County soils and climate are especially favorable to the production of sweet potatoes, both for home use and for sale. Both of these features were pushed with good results. It is estimated that above 98% of the potatoes grown in the county are planted to the improved Porto-Rica variety. Two seed breeders within the county furnish most of the improved stock. There was about a 10% increase in the 1947 acreage over the 1946. A dehydration plant has located in Bishopville which gives us another daily market. This additional market outlet will most likely bring about an increased acreage in future years.

8. Cane For Syrup: The production of cane for home syrup has been urged through the use of more suitable mosaic resistant varieties and through improved methods of fertilization. The Coker Seed Company of Hartsville, S. C. gave 8,000 stalks of the CO-290 variety in 1943 to the farmers of the county to help in the promotion of syrup for home use. Farmers receiving cane in 1943 have distributed the cane to their neighboring farmers each year until it has reached every corner of the county.
9. Hogs To Kill: Many of our farm families killed sufficient pork for home use in 1947. There are more hogs being put in the smook house and freezer lockers now than ever before; and more of our small farmers are also producing their home needs.
10. Milk Cows: Farm families are urged to obtain milk cows where sufficient milk was not being produced.
11. Poultry and Eggs: There was a considerable decrease in 1947 of poultry and eggs as compared with 1946. However, turkey production showed a small increase.
12. Hay: Lee county has the reputation of curing the best quality of peavine hay in South Carolina. This is due to the use of the Clemson hay curing rack. Production of more hay during the winter was urged. Lespedeza and Kudzu hay are beginning to find their places in the county. Lespedeza again exceeded peavine hay in production this year.
13. Improved Pastures: 21 permanent pastures were put in according to recommendations during the year. Seed to improve old sods were secured through the county agent's office.
14. Rice: Rice as a food crop was planted by a few of our farmers in 1947. Most planters harvested sufficient rice for home use and some for market.
15. Annual Grazing Crops: The value of annual grazing crops for use in livestock feeding was stressed with good results. Farmers have found that good grazing is a cheaper feed than high priced hay.

158 farmers were assisted in planting a mixture of Italian Rye grass, Crimson Clover, Rye, Oats and Vetch for winter grazing pasture. It is beginning to be a usual practice of farmers to plant patches of small grain for winter and spring grazing.
16. Grain Sorghum: Grain sorghum is fast finding its place in the county. A good many farmers are growing it for seed while most of them are grazing theirs down in the field.
17. Scrap Collection: Waste fats were collected by voluntary committeemen throughout the year.
18. Farm Labor Program: A labor committee of six members was elected by the County Committee in 1943 to keep posted on labor problems of the county and to formulate practical plans toward meeting these problems. Considerable amount of labor work has been done by the agent and his assistant. The agent's worked closely with farmers with problems relative to farm machinery, especially farmers buying new machinery for

for the first time, giving instructions in the proper operation of the machinery, care and repair.

The practice among farmers of swapping labor for the use of machinery continued.

19. Soybeans: Approximately 1,900 acres of the big type peanuts were planted this year with good yields in all sections planted.

II. EMERGENCY PEACETIME ACTIVITIES

1. Farm Labor Program: The Agricultural Planning Committee elected a special Labor Committee in 1943 consisting of six members. Since that time the Committee has held meetings periodically, when necessary, to formulate plans toward meeting the problems of labor as they occur.

In 1947 the demands for labor were not as heavy as the year previous due to a large extent by the return of veterans and others to the farm and to a higher prevailing wage being paid for harvesting. The availability of more labor is evidenced by the promptness in which the harvest has been effected. Labor saving farm machinery is much more plentiful in the county at this time and the County Agent's gave considerable assistance in the proper maintenance and operation of this equipment. Much advice in the proper machinery to purchase has also been given.

The agent assisted further by sending out timely information through news articles, circular letters and farm visits.

2. Waste Fat Collection: Assistance was given when needed in the collection of fats by personal visits and timely information through news articles.
3. Nutrition Program: Several news articles and circulars were issued and the program pushed through local committees. Bulletins on nutrition were given to local school teachers who requested this information to be used in class room work.
4. Peacetime Agricultural Program: Timely information was given through news articles, circular letters and personal letters, bulletins and personal visits toward the production and conservation of more and better food and feed.

In committee and community meetings this program was always stressed in one form or another. The while voluntary leaders did a good job in carrying this to negro families.

5. Inflation Program: In order to help curb inflation through education among farm people a campaign was carried on through news articles, circulars and the voluntary community committeemen.

6. Voluntary Food Rationing: Publicity was released through news articles and personal contacts.
7. Farm Machinery Priorities: In order to help farmers in this program timely information was given and personal assistance whenever possible.

III. COOPERATION WITH POSTWAR AGENCIES

The county agent has cooperated with all postwar agencies.

Following is a summary:

1. Local Red Cross and Defense Organization: The agent has served as a member of the Lee County Civilian Defense Council and worked closely with both organizations in their many activities.
2. Priorities: The county agent assisted with problems relative to obtaining priorities for farm machinery, equipment and supplies, especially those affecting returned veterans.
3. Returning Veterans: The agent worked closely with County Service Officer for returned veterans. Assisting with farm placement, purchases and general education.

IV. PROJECT ACTIVITIES AND RESULTS

AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1947 included Outlook meetings, assisting with farm planning, cooperation with Farm Credit agencies and assistance with farm and home account records.

Outlook Meetings: One county-wide Outlook meeting was held with an attendance of 79 farm people.

Joint meetings on outlook and other timely agricultural information were held by the county and home agent in cooperation with AAA and SCS in 5 communities. These meetings were attended by 150 voluntary farm leaders.

Complete Farm and Home Records: One Lee County farm family kept complete records on their farming operations in 1947.

Complete Farm Record Demonstration - 1947

Name	Address	Size of Farm	Predominant Type of Farming
I. B. Newsom	R-4 Bishopville, SC	155.0 Acres	Cotton, Tobacco, Sweet Potatoes, Hogs & Beef Cattle

Cooperation With Farm Credit Agencies: The county agent cooperated with the Production Credit Association, Emergency Crop and Seed Loan Office, Production and Marketing Administration and Farm Home Administration in extending credit to farm people in the county. Lee county farmers borrowed through the Production Credit Association \$243,244.83 and as of December 1 only \$792.00 was outstanding.

Farmers have been advised throughout the year in reference to credit and aid in crop production.

Farm Planning: The county agent cooperated with the Soil Conservation Service in planning operations on twenty-one farms this year.

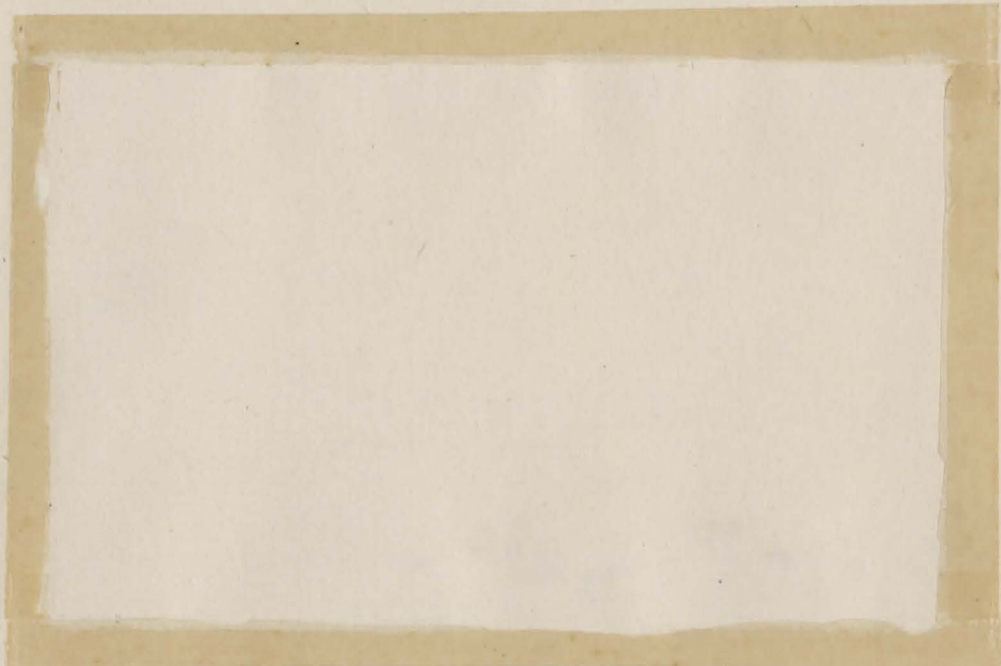
County Planning: Five meetings of the county agricultural planning committee were held during the year with 150 farmers and farm women attending. Community committees were revised during the year where efficiency would be increased. Assisted 129 farmers in planning their farm operations for 1948.

AGRICULTURAL ENGINEERING

Agricultural engineering work for 1947 consisted of furnishing plans for farm buildings and equipment, assistance and advice in operation of farm and home machinery, electric and fire heated hotbed demonstrations and soil conservation.

The agents assisted farmers all over the county in remodeling farm homes and buildings. Two farmers were assisted in formulating plans and building 2 permanent swine farrowing houses.

Farm Building and Equipment Plans: Farm building plans prepared by the extension agricultural engineers were furnished farm people for the construction of the following:



Farm Machinery School conducted by County Agent with assistance of Extension Specialist

Summary Of Farm Building & Equipment Plans

Building or Equipment	Number
Sweet Potato fireheated hotbeds	4
Sweet Potato electric hotbeds	2
Sweet Potato manure heated hotbeds	24
Sweet Potato curing houses	4
Sweet Potato storage house	1
A Type Sweet Potato house	3
Homemade electric brooder	12
Laying house	2
Hog self feeder	11
Hog trough	16
Hog watering barrel	2
Shed type hog house	7
Pig creep	8
Smoke house	4
• Farrowing shed	5
Tobacco barn	6
Concrete tobacco plant bed	1
Peanut stack racks	9
Homemade lime spreader	1
Hay curing racks	26
Septic tank	11
Tenant house	7
Farm machinery shed	8
TOTALS	174

Special campaigns were conducted throughout the year by all agent's in such activities as: the proper use of farm machinery and equipment, it's care and repair; farm planning, dealing mostly with problems of postwar activities and labor saving methods, principally putting machinery to it's most efficient use, and by utilizing labor to it's fullest extent.

Hay Curing Racks: Several farmers were advised about the use of hay curing racks and plans furnished for their construction. The educational work by the extension service over a period of years has resulted in the almost universal use of this type rack for curing hay. Lee County has won the distinction of producing the best quality of peavine hay produced in the state which is due entirely to the method of curing. Lespedeza and Kudzu hay are gaining in popularity. Kobe lespedeza hay exceeds peavine in production in this county; some yields reported as high as 3 tons per acre or more.

Electric Heated Hotbeds: Two farmers were assisted in the operation of electric heated hotbeds.

Fire Heated Hotbeds: Plans were furnished and beds constructed on 4 fire heated beds and a large number of growers were assisted with their operation.

Manure Heated Hotbeds: Plans were furnished for the construction of 14 manure heated hotbeds. Many farmers were assisted in the care of the constructed beds.

Demonstration of Electrical Equipment: One electric brooder demonstration was conducted and cost record obtained with the following results:

Summary Electric Brooder Demonstration

Demonstrator - J. B. King, Bishopville, S. C.

Make of brooder - Homemade, Lyon Infra-Red Ray plate unit.
 Brooder capacity - 125
 No. chicks started - 100
 Percent mortality - 6
 Months operated - February - March
 No. weeks brooded - 6
 Total KWH used - 85
 Cost of current @ 3¢ - \$2.55
 Cost per chick - 2.5 $\frac{1}{2}$

Converting Old Buildings: Several farmers were advised as to the use of tobacco barns for sweet potato curing. 14 farmers were advised and assisted in converting old buildings into useable tenant houses.

SOIL CONSERVATION WORK

Soil Conservation work for the year was in cooperation with the Lynches River Soil Conservation District, which includes Lee County. The Soil Conservation Service is cooperating with the district and 5 technicians are assigned to this county (one of which works as a drainage engineer). Soil Conservation meetings and demonstrations are planned and held in cooperation with the Soil Conservation Service technicians working in the county.

District Farm Plans: During the year 121 district farm plans have been prepared by the Soil Conservation Service technicians working in the county. Soil Conservation Service technicians estimate that 65 percent of the soil conservation practices planned on these farms have been established.

Terracing: There are 2 power terracing units operating in the county by the AAA contractors. Due to labor shortage very little terracing was done in the county this year.

Terrace Maintenance: Most farmers have maintained their old terraces with their available labor and farm equipment.

Farm Drainage: Drainage surveys have been made for 21 farmers cooperating with the district by the Soil Conservation Service technicians stationed here.

The Service has completed 5 canals in the county consisting of about 9 miles of drainage in Lee County. These canals will relieve a constricted condition in the old system that has seriously effected the value of the drainage system to a large number of farms in two sections of the district. 2 farmers were assisted in ditching by dynamite 3,225 yards.

Wide-Spread Establishment of Soil Conservation Practices: During the winter and spring months the county agent cooperating with the Soil Conservation District and Soil Conservation technicians in the county held 9 community meetings on the establishment of soil conservation practices in addition to farms under district agreement.

Meetings, Tours, Demonstrations: During the year community meetings were held to explain to the farmers what assistance they could receive through the Soil Conservation Program in this district. 1 pasture tour was conducted.

Summary of Soil Conservation Work: The tables on the following pages give a summary of (1) Extension Educational Activities; (2) Extension Demonstrations In Establishing Soil Conservation Practices, and (3) A Summary of All Soil Conservation Practices Established In The County During The Year.:

SOIL CONSERVATION EDUCATIONAL ACTIVITIESLEE COUNTYDECEMBER 1, 1946 - NOVEMBER 30, 1947

* * * * *

	<u>Number</u>	<u>Attended</u>
1. No. group conferences Extension & SCS technicians in county	5	20
2. No. community meetings with Soil Conservation District work	11	684
3. No. field meetings - Method demonstrations establishing practices	0	0
No. meetings at demonstrations (observation)	0	0
4. No. farms on which county agent assisted with soil conservation farm planning	127	-
5. Informational material on Soil Conservation		
No. informational circular letters	1750	-
No. informational news articles	28	-
No. bulletins (soil conservation) distributed	127	-
No. radio programs (soil conservation)	0	-
6. Soil Conservation programs with 4-H clubs	7	-
7. No. contestants 4-H Soil Conservation contest	5	-
8. No. demonstrations to establish farm drainage	0	-
No. acres drained	0	-
9. No. demonstrations maintenance drainage ditches	0	-
10. No. demonstrations establish cover of summer or winter annuals per perennials for soil conservation	16	28

	<u>Number</u>	<u>Attended</u>
11. No. Method demonstrations farmer-built terraces	18	42
12. No. method demonstrations terrace maintenance	22	51
13. No. organized communities in county for Soil Conservation	7	-
No. farms in these communities	518	-

* * * * *

EXTENSION DEMONSTRATIONS ESTABLISHING SOIL CONSERVATION PRACTICES

	<u>Number</u>
1. No. farmers or farmer-contractors who have built terraces with farm equipment	18
2. No. acres terraced with this equipment	52
3. No. farms on which this work was done	18
4. No. blade-type or patrol-type terracing outfits in county	5
5. No. acres terraced by these outfits	0
6. No. farms this work done	0
7. No. terrace planning and line running schools held	0
8. No. persons trained to run terrace lines	0
9. No. of district or county-owned draglines operating in county	2
10. No. draglines operated by contractors in county	0
11. No. miles drainage canals cut	20
12. No. acres drained	3718
13. Different farms affected	25
14. No farms on which tile drainage was established	0
15. No. feet tile drainage established on these farms	0
16. No farms on which drainage ditches blown with dynamite	4
17. No yards drainage ditches blown	2,500
18. No. farms irrigation demonstration conducted	0
19. Acres irrigated	0

SUMMARY OF SOIL CONSERVATION PRACTICES ESTABLISHED IN

LEE COUNTY DURING 1947

	<u>Number</u>
1. No. soil conservation district farm plans	78
2. Total acres in these farms	11,725
3. Total number soil conservation district farm plans in county	526
4. Total acres in these farms	86,253

* * * * *

Rural Electrification: Several people were advised as to correct procedure to obtain electric service from near-by rural electric lines. Three new lines were put up during 1947, serving 58 farm families.

Harvesting, Handling and Ginning Cotton: Two county-wide circular and 12 news articles were released on the harvesting and handling of cotton. 14 ginnerys were visited in reference to proper ginning. 1 farmer was assisted in obtaining 6 gin units. Estimates show that 98% of cotton grown in the county is one variety. The county organized a One-Variety Cotton Classification and Improvement Association during 1947.

Peanut Harvesting and Picking: Assistance was given to 12 farmers in harvesting their peanut crop.

AGRONOMY

Agronomy work in Lee County in 1947 consisted of demonstrations and educational work with each of the major agronomy crops.

Outlook and Information Meetings: One county-wide Outlook and Information meeting was held that was attended by 79 farm people. 5 similar meetings were held in communities with 159 farm people attending.

Soil Testing: The agent cooperated with 6 farmers in obtaining acidity test on 16 soil samples during the year. Some are using such test as a guide to soil management and farm fertilizer practices.

Cotton

Five-Acre Cotton Improvement Demonstrations: 26 farmers completed demonstrations in cotton production with the following results:

Name	Variety	Total Cost	Total Lint	Total Val.	
				Seed and Lint Per Five Acres	Gross Profit
John McCutchen	Coker's 100, WR	\$ 687.80	5258	\$ 2,130.16	\$ 1,442.36
C. B. Player	Coker's 100, WR	583.45	5012	2,030.69	1,447.24
C. E. Jackson	Coker's 100, WR	597.97	4970	2,023.40	1,425.43
W. B. McCutchen	Coker's 100, WR	542.75	4889	1,954.83	1,412.08
V. S. Goodyear	Coker's 100, WR	543.00	4854	1,942.42	1,300.42
David Boyd	Coker's 100, WR	521.40	4850	1,939.00	1,417.60
Jack Player	Coker's 100, WR	493.85	4812	1,915.38	1,121.53
G. H. McCutchen	Coker's 100, WR	629.70	4762	1,800.51	1,170.81
J. E. DuRant	Coker's 100, WR	577.15	4500	1,572.75	975.60
W. W. Player	Coker's 100, WR	480.89	4466	1,786.76	1,305.87
G. G. Cooper	Coker's 100, WR	621.36	4287	1,726.80	1,105.44
R. L. Grier	Coker's 100, WR	431.55	4218	1,687.67	1,256.12
G. R. Muldrow	Coker's 100, WR	544.85	4138	1,676.51	1,131.66
Harry Elmore	Coker's 100, WR	486.00	3954	1,602.83	1,116.83
Ed B. Baskin	Coker's 100, WR	552.62	3915	1,586.05	1,033.43
R. M. Prince	Coker's 100, WR	533.40	3900	1,580.00	1,046.60
H. W. Shaw	Coker's 100, WR	448.80	3867	1,547.09	1,098.29
Joseph Moses	Coker's 100, WR	458.00	3811	1,543.97	1,085.97
J. E. DuRant	Coker's 100, WR	561.75	3750	1,309.25	747.50
O. L. Edwards	Coker's 100, WR	537.17	3536	1,432.47	898.30
V. S. Goodyear	Coker's 100, WR	508.30	3313	1,478.76	970.46
B. J. Barnett	Coker's 100, WR	493.48	3210	1,300.45	806.97
J. W. Tallon	Coker's 100, WR	464.28	3144	1,273.66	809.35
G. D. Wilson	Coker's 100, WR	442.55	3116	1,246.58	804.03
W. P. Player	Coker's 100, WR	427.23	2770	1,122.15	694.92
J. E. McElveen	Coker's 100, WR	337.90	2448	1,001.87	663.97
TOTALS		\$13,507.20	105,750	\$42,212.01	\$28,389.78

Average lint per acre - 813 pounds

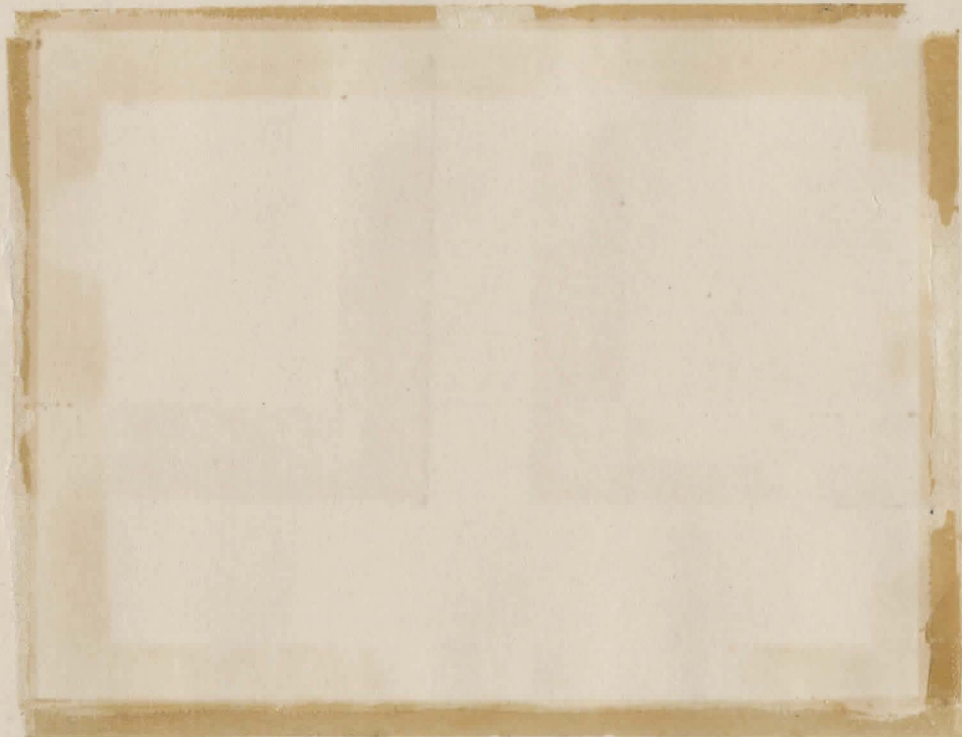
Summary Of Cotton Contest Demonstrations 1938 - 1947: Following is a summary of results of the Five-Acre Cotton Improvement demonstrations for period 1938 - 1947 inclusive:

Year	No. Dems.	Pounds Lint Per A.	Value Per A.	Cost Per A.	Profit Per Acre
1938	6	580.6	\$ 71.67	\$ 36.55	\$ 35.14
1939	25	749.7	90.94	41.75	49.19
1940	25	593.2	72.58	37.58	35.00
1941	24	310.4	70.35	33.40	36.95
1942	7	602.0	148.64	34.56	114.08
1943	5	812.0	214.03	45.07	168.96
1944	12	886.1	227.70	57.80	169.90
1945	12	834.5	226.06	60.52	167.54
1946	18	903.0	421.97	92.51	329.46
1947	26	813.0	324.71	103.90	218.38

It is interesting to note that with disastrously low yields prevailing generally throughout the county in 1941 and 1942 that profitable yields were obtained by all of the contestants. The effect of these demonstrations has been to stimulate the adoption of improved practices in cotton production and it is felt has been an outstanding contribution to improved yields now noted in the county. Farmers produced the largest cotton crop in years during 1944. Due to excessive rains the cotton crop in Lee County was approximately 20% less in 1947 than in 1946; however, due to more acres planted the county will gin around 28,000 bales.

Improved Seed and Seed Treatment: Practically all of the cotton acreage is planted to improved varieties of recent origin. Many of our farmers follow the practice of buying sufficient pedigreed seed each year to plant a seed patch. Practically all of our farmers have adopted seed treatment as a standard practice. 65 cottonseed samples for 25 farmers were sent into the State Department of Agriculture for germination test. Many small farmers buy seed from the Five-Acre contestants in the county. It is estimated that around 98% of the cotton now planted in the county is a strain of the Coker's 100, Wilt Resistant.

The photograph below was made of County winner John McCutchen's 5-Acre Cotton Contest plot. This plot produced 2,842 pounds seed cotton per acre.



Cotton Aero Defoliation: The use of Aero Defoliant for removal of cotton at picking time is becoming well established in Lee County. It is profitable to the grower, relatively inexpensive, and its advantages are quickly realized. Applied to hand picking operations, it points the way to more successful use of mechanical picking and striping machinery in the future.

Below are photographs of cotton field on the farm of Mr. R. W. Montgomery, R-3, Bishopville, S. C. showing: Left - cotton field before using Aero Defoliant. Right - Same cotton field after using Aero Defoliant.



Corn Production

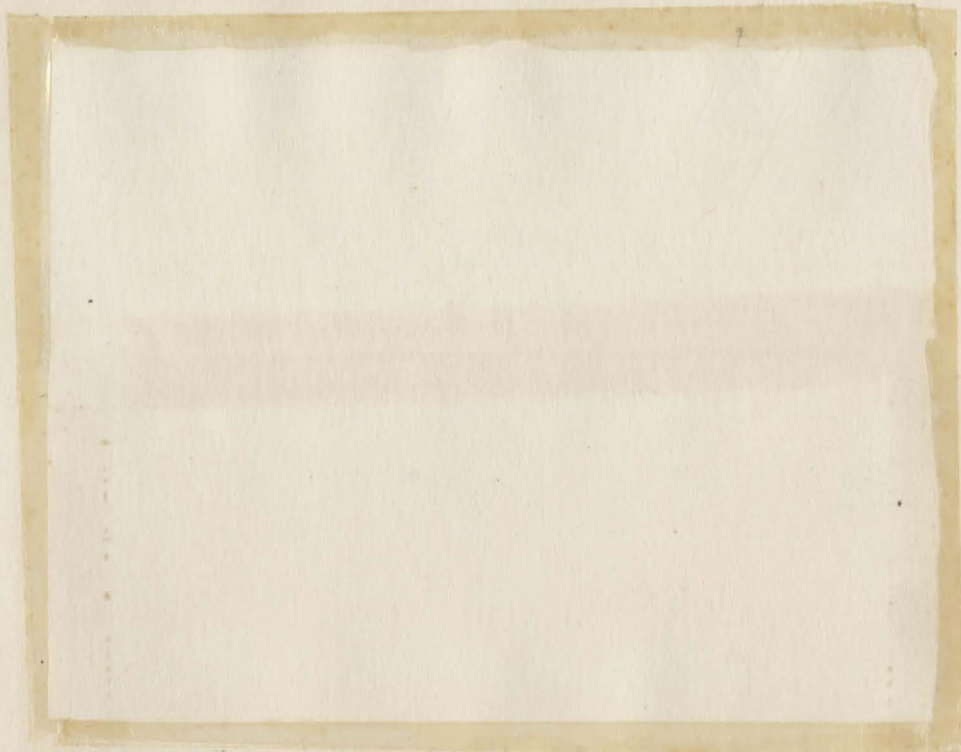
5-Acre Corn Contest: A County 5-Acre Corn Contest was organized with 14 contestants completing their demonstrations in 1946. The contest was continued in 1947 with the following results:

Name	Variety	Acres	Yield Per Acre	Total Cost	Net Profit
C. W. Josey	Josey's Prolific	5.0	113.9	\$ 301.45	\$ 1,422.50
J. R. Bradham	Douthitt's	5.0	98.4	237.80	865.20
Fred DuBose	NC-26, Hybrid	5.0	96.5	200.20	1,006.65
H. W. Shaw	Douthitt's	5.0	83.4	184.60	853.65
J. D. Matthews	NC-26, Hybrid	5.0	82.5	146.00	754.00
W. W. Player	Douthitt's	5.0	77.5	173.43	698.45
H. E. McCoy	Latham's Double	5.0	73.0	155.00	666.25
J. A. Blackwell	Douthitt's	5.0	71.4	202.00	690.50
Ed B. Baskin	NC-26, Hybrid	5.0	70.7	214.57	580.81
R. W. Tedder	Douthitt's	5.0	70.7	181.75	613.63
Jack Player	Douthitt's	5.0	68.7	166.20	606.68
Harry Elmore	Coker's Ellis	5.0	65.4	176.05	559.70
V. C. Caughman	NC-26, Hybrid	5.0	63.5	283.75	430.63
A. H. Baker	Josey's Prolific	5.0	61.1	152.25	535.13
C. B. Player	Douthitt's	5.0	58.6	125.10	534.15
Jessie Simon	Coker's Ellis	5.0	57.0	150.20	491.05
W. E. Pace	Latham's Double	5.0	50.1	146.90	416.73
W. T. LaCoste	Josey's Prolific	5.0	50.0	99.10	462.80
G. G. Cooper	Josey's Prolific	5.0	45.0	190.16	316.09
TOTALS		95.0		\$3,185.06	\$11,082.10

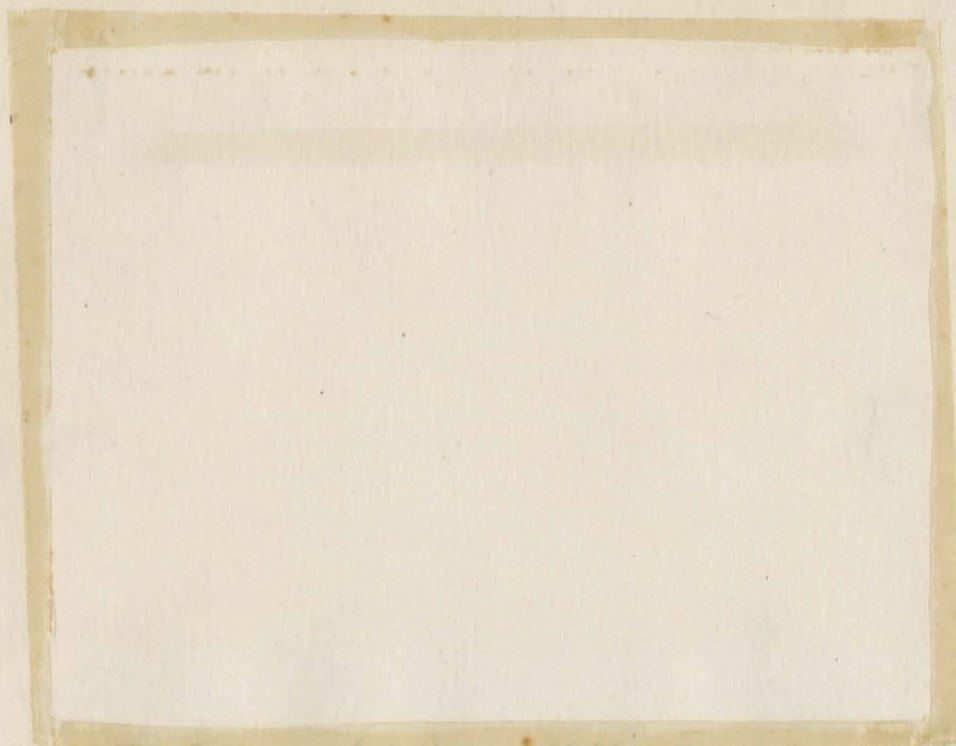
Average yield per acre - 71.4 bu.

Hybrid Corn Production: 11 different varieties of Hybrid corn were tried out in the county during 1947. The three most outstanding varieties were the NC-23, NC-26 and NC-27. All other varieties tried showed up very good; however, the shuck covering was poor and showed considerable weevil damage.

During 1947 the campaign to increase the per acre yield was continued. Timely information was furnished through circular letters, news articles and personal visits to contestants and other farmers.



The above snapshot shows Champion County
5-Acre Corn Contest field, producing 113.9
bu. per acre.



The above snapshot shows: Right - New
method of close corn cultivation, producing
113.9 bu. per acre... Left - Old wide method
of cultivation, producing 51.3 bu. per acre.



Snapshot showing field of Prolific Variety of corn entered in the County 5-Acre Corn Contest by H. W. Shaw, R-3, Bishopville, S. C. This field produced 83.4 bu. per acre.

Small Grain

Wheat Production: 3 demonstrations with wheat were completed with the following results:

Summary Of Wheat Production Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost	Profit
V. S. Goodyear	Hardired	11.0	31 bu.	\$243.60	\$269.15
L. D. Welsh	Red Heart	12.0	36 bu.	238.00	654.10
Mrs. Genie E. Smith	Hardired	6.0	32 bu.	108.10	467.90

Average yield per acre - 33 bu.

This record shows an average yield of 33 bushels per acre as compared with the estimated yield this season of 18 bushels per acre.

Improved Seed: Seed samples for germination and purity test were sent in for 4 farmers. The rust tolerant Hardired variety is fast gaining popularity with farmers.

Oat Production: 4 demonstrations with oats were completed with the following results:

Summary Of Oat Demonstration

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
G. G. Cooper	Fulgrain	25.0	86 bu.	\$ 549.40	\$ 1,600.60
R. E. McLendon	Victor grain	17.0	61 bu.	398.41	638.59
V. S. Goodyear	Fulgrain	10.0	64 bu.	261.65	378.35
W. W. Player, Jr.	Victor grain	7.0	69 bu.	132.15	592.35

Average yield per acre 70.0 bu.

Five farmers were assisted in obtaining germination test on 7 samples of oat seed.

Legume Production

Lespedeza Production: Three demonstrations with lespedeza for hay was completed with the following results:

Summary Of Kobe Lespedeza For Hay Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost Per Acre	Gross Profit
John O'Kelley	Kobe	10.0	4,835 lbs.	\$18.50	\$ 658.00
J. E. DuRant	Kobe	3.0	2,000 lbs.	16.50	130.50
L. F. Berry	Kobe	5.0	2,500 lbs.	18.25	346.25

Two demonstrations with Kobe lespedeza for seed were completed with the following results:

Summary Of Kobe Lespedeza For Seed Demonstrations

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
Ben Jordan	Kobe	18.0	600 lbs.	\$943.20	\$460.80
W. B. Crane	Kobe	10.0	460 lbs.	210.00	328.00

Lespedeza is gaining in popularity as a hay and soil-building crop. At present rate it should replace a large part of our cow pea hay within a few years.

Careful estimates indicate that the acreage of lespedeza grown for hay in Lee County has grown from none six years ago to 4,600 acres in 1947.

Cooperative orders were placed for 8,550 pounds of lespedeza seed through the county agent's office in 1947.

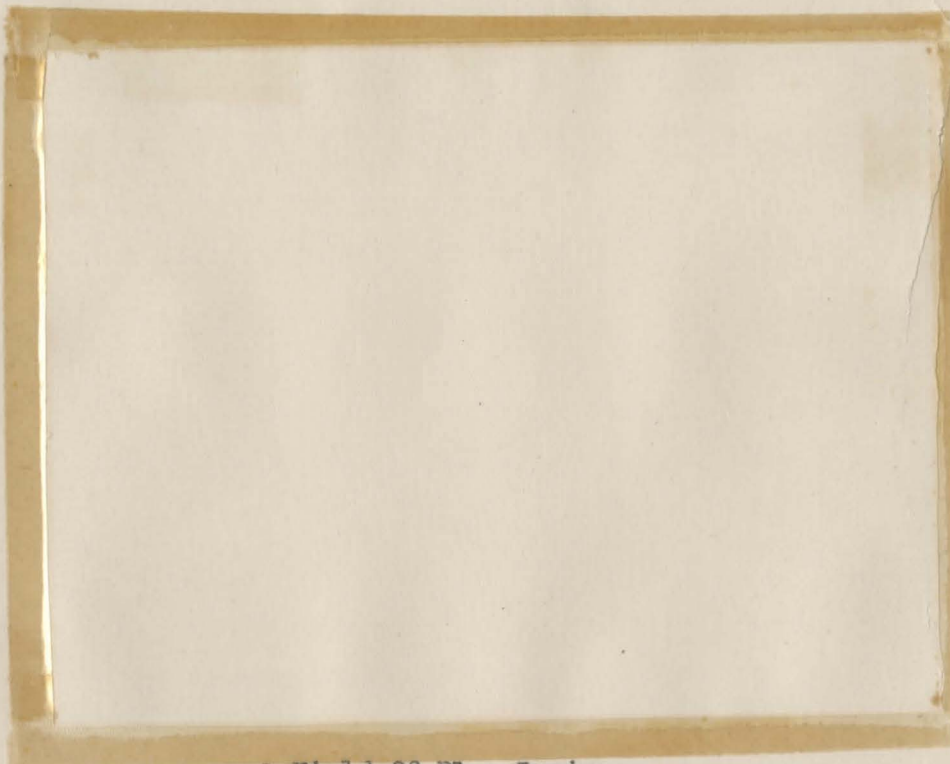
Summer Legumes: Cooperative orders for the following seed were placed through the agent's office:

Hegari seed	479 lbs.
Velvet beans	150 lbs.
Pearl millet	300 lbs.
Soybean seed	94 bu.
Cow peas	86 bu.
Crotalaria	1,800 lbs.
Lespedeza	8,550 lbs.

Winter Legumes: The production of winter legumes has not been very successful in Lee County, but some interest continues. The following orders were placed with cooperation of the county agent:

A. W. pea seed	3,200 lbs.
Vetch	7,351 lbs.
Ky-31 Fescue	200 lbs.
Dixie Wonder peas	19,398 lbs.

On the following page is snapshot showing field of Blue Lupine planted by H. W. Merck, R-2, Bishopville, S. C. Left of picture shows un-inoculated seed .. Right of picture shows properly inoculated seed.



Field Of Blue Lupine

Left:
Un-inoculated seed

Right:
Properly inoculated
seed

Peanut Production

Peanuts: Two demonstrations with peanuts were completed with the following results:

Summary Of Peanut Demonstrations

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
D. S. McCathern	Va. Bunch	27.0	1,400 lbs.	\$1,404.00	\$2,774.00
Mrs. Genie E. Smith	Va. Bunch	6.0	1,200 lbs.	336.00	398.50

Soybean Seed Production

Soybean Seed Production Demonstrations: Two demonstrations were completed with the following results:

Summary Of Soybean Seed Demonstrations

Name	Variety	Acres	Yield Per Acre	Cost Per Acre	Gross Profit
R. L. Dickinson	Biloxi soybean	20.0	14 bu.	\$17.00	\$880.00
Foster Gardner	Biloxi soybean	10.0	13 bu.	18.75	342.50

Grain Sorghum Production

Grain Sorghum Production Demonstration: One demonstration was completed with the following results:

Summary Of Grain Sorghum Seed Demonstration

Name	Variety	Acres	Yield Per Acre	Total Cost	Gross Profit
Grady Smith	Martin's Combine Milo	7.0	83.4 bu.	\$89.40	\$2,679.60

Rice Production: Most of the rice produced in the county was grown in small patches for home use.

Tobacco

Tobacco has gained in popularity in the county during the past few years. 1,483 farmers planted tobacco in the county during 1947. Yields were good and all tobacco farmers made money.

Tobacco Demonstrations: Extension work with tobacco was directed towards higher yields of better quality tobacco. One demonstration was completed and turned in. Following is a summary of this demonstration:

Summary Of Tobacco Demonstration

Name	Acres	Variety	Fertilizer		Yield Per Acre	Net Profit
			Kind	Amount		
J. E. DuRant	5.0	401	3-9-9	800	1378	\$1,374.00

Tobacco Nematode: Tobacco Nematode is taking it's toll throughout the county. The Nematode demonstration started back in 1943 has shown little results. Two demonstrations with DD gave same results.

Miscellaneous Tobacco Work: Numerous farmers were advised as to proper rotation for tobacco as well as to correct fertilizers. Eight newspaper articles were written in conducting the tobacco program related to methods of handling curing and marketing. A number of farm visits were made relative to tobacco production, curing, handling and advising farmers as to the proper use of oil burners for curing tobacco.

Permanent Pasture Development

Permanent Pastures: The agent worked very closely with 58 farmers in establishing and managing permanent pastures. Striking results were noticed on these pastures; however, no written results were obtained. Many other farmers were given advice as to the proper methods of establishing and seeding requirements. Due to the high price of seed, most of these pastures did not have the proper amount of seed planted, but should show improvement next season. A grazing calendar was prepared and sent to every land owner in the county.

Cooperative orders for the following pasture seeds were placed through the agent's office:

Carpet grass	123 lbs.
Clovers	1,088 lbs.
Dallis grass	159 lbs.
Italian rye grass	3,703 lbs.
Vetch	7,351 lbs.
Ky-31 Fescue	200 lbs.

Three pasture demonstrations were completed during the year with the following results:

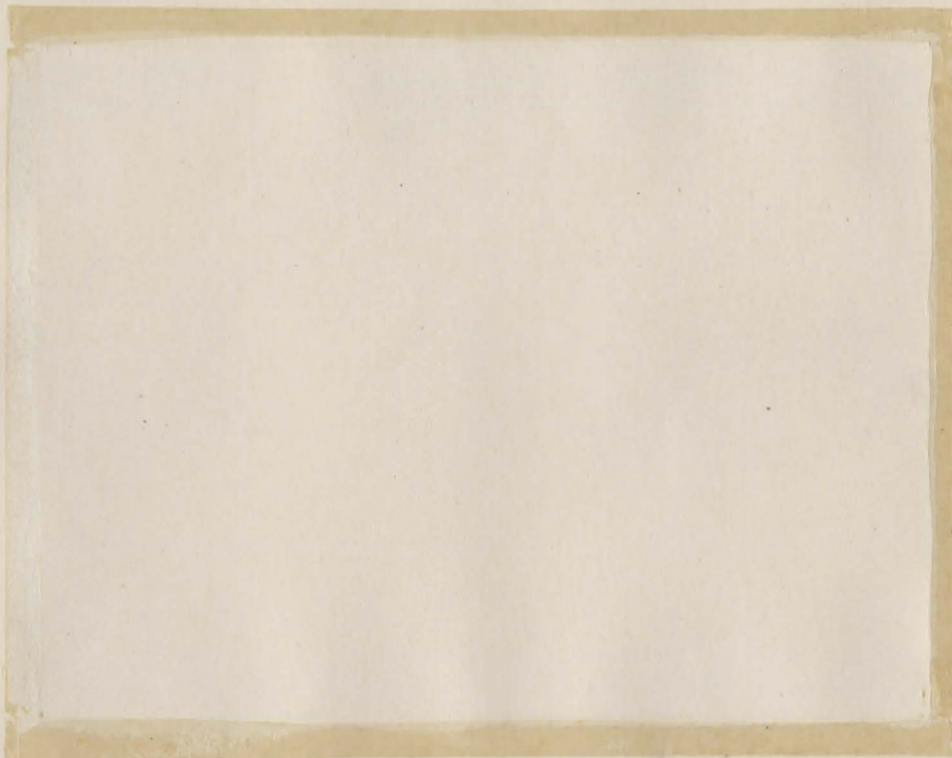
Summary Permanent Pasture Demonstrations

Name	Acres	Year Started	Soil Type	PH Test Before	PH Test After	Preparation	Fertilizer Used	Grasses Seeded	Observations
I. B. Newsom	7.0	1941 (Fall)	Portsmouth	Topsoil 5.40 Subsoil 5.25	Topsoil 6.7 Subsoil 5.2	Disced with double disc harrow. Lime and acid broadcast. Bermuda sprigged 20" rows 15" in drill, Nov. 1941. (covered with one furrow). Cultivated White Dutch inoculated and seeded broadcast (not covered). Dec. 1, 1941 Dallis grass & common lespedeza mixed & sown broadcast, Apr. 20, 1942. Covered lightly with drag harrow. Potash broadcast in early summer after sod established.	2 tons agri. lime per acre. 300 lbs. Super-phosphate per acre. 200 lbs. muriate of potash per acre May, 1943 applied 300 lbs. of 3-9-6 per acre. Applied 150 lbs. potash per acre, 1945. 150 lbs. potash in 1946. 400 lbs. acid, 1946. 500 lbs. 4-10-6 in 1947	Sprigged with bermuda, Nov. 1-14, 1941. 4 lbs. White Dutch clover per acre, Dec. 1, 1941 10 lbs. Dallis grass per acre Apr. 20, 1942. 15 lbs. common lespedeza per acre, Apr. 20, 1942. Applied 10 lbs. Kobe lespedeza March 1, 1944.	Good stand of White Dutch clover. Excellent stand of Dallis, bermuda and lespedeza. Carried two animal or more units per acre for entire summer.

Summary Permanent Pasture Demonstrations

Name	Acres	Year Started	Soil Type	PH Test		Preparation	Fertilizer Used	Grasses Seeded	Observations
				Before	After				
H. D. Brown	13.0	1941	Dun-bar	Topsoil 5.45 Subsoil 5.30	Topsoil 6.5 Subsoil 5.00	Fall, 1941 - Oats and vetch seeded in Fall and grazed. Mixed Dallis & common lespedeza. Seed & basic slag applied in 1 operation with grain drill & fertilizer attachment. Seeded White Dutch broadcast. Cultipacked	700 lbs. basic slag per acre. June 3, 1943 applied 800 lbs. of 3-9-6 per acre. Applied 500 lbs. basic slag; 500 lbs. 3-9-9 in 1945. 150 lbs. Potash, 300 lbs. acid in 1946. 600 lbs. 5-10-5 in 1947.	4 lbs. White Dutch clover per acre, March 20, 1942. 10 lbs. Dallis grass per acre, March 20, 1942. 10 lbs. common lespedeza per acre, Mar. 20, 1942.	Good stand Dallis, lespedeza and White Dutch clover. Carried above two animals per acre entire summer. Grazed too heavy last part of season.

J. C. Heriot	20.0	1941	Dun-bar	Topsoil 5.20 Subsoil 5.15	Topsoil 6.5 Subsoil 5.5	Spring, 1942, lime broadcast. Land disced. (horse drawn disc) Harrowed (drag) harrow, White Dutch, Dallis and common lespedeza seeded broadcast, cultipacked.	1 ton agri. lime per acre, applied 400 lbs. 3-9-6 June 1943. 1 ton lime, 400 lbs. acid & 150 lbs. potash, 1946. 400 lbs. 4-10-6 in 1947.	3 lbs. White Dutch clover per acre, March 25, 1942. 8 lbs. Dallis grass per acre, March 25, 1942. 10 lbs. common lespedeza per acre, March 25, 1942.	White Dutch clover well scattered. Fair stand Dallis and good stand lespedeza. Carried about 2 cows per acre.



Snapshot showing winter grazing pasture January
1, 1947 on farm of R. E. McLendon, Bishopville,
S. C.

Sugar Cane

A campaign started in 1939 to encourage increased syrup production for home use has shown remarkable results. Many farm families are now producing enough syrup for home use and some to sell. In 1943 Coker Seed Company gave Lee County 8,000 stalks of CO-290 mosaic resistant sugar cane which was distributed among 12 farmers. These farmers gave their neighbors enough seed to start them a patch. By this good neighbor policy this variety of cane has scattered to every community in the county.

Sorghum For Syrup: The lighter more rolling section of the county produces almost entirely sorghum syrup.

Animal Husbandry

Animal husbandry extension work in Lee County in 1947 consisted mostly of educational work with swine and beef cattle. Considerable time was spent on the production and marketing of livestock with 4-H Club boy's.

Swine

The program of demonstration work with hogs included the placing of sires, hog marketing and control of diseases. Also, of timely information through circulars and news articles.

Purebred Sires: 23 purebred boars were placed with farmers during the year as follows:

Name	No. Boars	Breed	Age	Cost
Edward McDowell	1	Poland China	1 yr.	150.00
M. G. McDowell	1	Poland China	18 mo.	125.00
C. M. Minms & Son	2	Poland China	14 mo.	535.00
A. L. McCaskill	2	Spotted Poland China	3 mo.	134.50
Mrs. J. W. Smith	1	Duroc	3 mo.	45.00
R. M. Cooper	1	Yorkshire	2 mo.	35.00
V. S. Goodyear	2	Poland China	6 mo.)	
V. S. Goodyear	1	Yorkshire	2 mo.)	115.00
Arthur Lee	1	Poland China	2 mo.	30.00
R. M. Prince	1	Poland China	3 mo.	30.00
D. D. Grant	2	Poland China	1 yr.	135.00
D. S. McCathern	1	Poland China	3 mo.	25.00
H. D. Brown	2	Duroc	1 yr.	85.00
W. M. Bell	1	Hampshire	3 mo.	45.00
C. L. McCaskill	1	Spotted Poland China	2 mo.	20.00
W. H. Shiver	2	Berkshire	3 mo.	70.00
B.W. Davis	1	Poland China	3 mo.	35.00
TOTALS	23			\$1,614.50

Purebred Gilts Placed: 26 purebred gilts and sows were placed during the year as follows:

Name	No. Placed	Breed	Cost
Farrell Smith	1	Poland China	20.00
Brodus Stokes	1	Poland China	20.00
McCoy Brown	1	Poland China	20.00
Billy Layton	1	Poland China	20.00
Lavern McCaskill	1	Poland China	20.00
Henry Broadway	1	Poland China	20.00
Wilson Barnes	1	Poland China	20.00
Edward McDowell	2	Poland China	175.00
C. M. Mimms & Son	3	Poland China	845.00
D. D. Grant	2	Poland China	200.00
W. J. Hammond	2	Poland China	225.00
W. D. Jones	1	Spotted Poland China	64.50
C. E. Watford	2	Spotted Poland China	105.00
R. M. Cooper	1	Landrace	25.00
Arthur Lee	2	Poland China	15.00
R. M. Prince	4	Poland China	310.00
TOTALS	26		\$ 2,104.50

Hog Marketing: The Lee County Livestock Association organized in 1937 is a farmers owned and controlled cooperative association. The association has a paid membership of 598 producers. The association makes a lifetime membership charge of \$1.00 and charges a 1 percent commission for handling. The County Agent serves the association in a supervisory capacity, including training graders, supervising grading, weighing and contacting buyers. In 1947 the association marketed for farmers 1,569 hogs weighing 331,985 pounds, netting farmers \$75,452.82. These hogs averaged 22.73¢ per pound with an average weight of 212 pounds.

Following is a summary of cooperative hog marketing from 1938 through 1947:

Year	No. Shippers	Total Weight	Net Returns
1938	285	293,657	\$ 23,738.73
1939	723	810,365	53,206.80
1940	564	632,107	33,703.28
1941	590	594,010	48,046.98
1942	777	758,413	91,308.28
1943	487	470,955	64,062.53
1944	502	517,160	63,657.15
1945	598	512,995	71,613.47
1946	144	163,420	23,273.89
1947	330	331,985	75,452.82
TOTALS	5,000	5,085,067	\$ 548,063.93

Miscellaneous: The county agent assisted 294 farmers in securing the services of a veterinarian to vaccinate 4,146 hogs against cholera during the year.

Beef Cattle

Beef cattle work during the year consisted mainly of timely information on management problems and assisting in securing breeding animals, steers for feeding and control of external and internal parasites.

Beef Bulls Placed: 6 purebred bulls were placed in the county during the year as shown below:

Name	No. Bulls	Breed	Cost
C. R. Kilgore, Jr.	1	Hereford	\$ 75.00
V. C. Caughman	1	Hereford	250.00
M. G. McDowell	1	Hereford	320.00
M. M. McLamb	1	Hereford	200.00
Irven Traub	1	Hereford	75.00
J. C. Heriot	1	Hereford	350.00
TOTALS	6		\$ 1,270.00

Beef Cows And Heifers Placed: The following beef cows and heifers were placed with assistance of county agent:

Name	Number	Breed	Cost
J. C. Heriot	3	Hereford	\$ 740.00
Irven Traub	4	Hereford	725.00
John O'Kelley	1	Hereford	175.00
TOTALS	8		\$ 1,460.00

Steers Placed: The following steers were placed with 4-H Club Boy's:

Name	Number	Breed	Cost
Edward McDowell	3	Hereford	\$ 284.90
Joe Heriot	2	Hereford	78.00
Dick Heriot	2	Hereford	96.00
Billy	1	Hereford	84.00
Dona McLamb	1	Hereford	92.50
TOTALS	9		\$ 635.40

The following cattle were sold at the Pee Dee Fat Stock Show and Sale through the assistance of county agent:

Name	Number	Amount
Edward McDowell	3	\$ 645.25
Joe Heriot, Jr.	2	370.51
Dick Heriot	2	450.44
Billy Heriot	2	386.75
Lavern McCaskill	1	146.85
Walter Brown	4	682.76
TOTALS	14	\$ 2,682.56

Dual Purpose Cattle: The Milking Shorthorn herd of cattle continues to be popular with several farmers of the county. 12 farmers of the county have registered Milking Shorthorn cattle.

Name	Number	Amount
Ed B. Baskin	2	\$ 275.00
C. A. Vincent	1	375.00
J. E. McElveen	1	125.00
Robert Prince	1	130.00
TOTALS	5	\$ 905.00

DAIRYING

Extension work in dairying for 1947 included encouragement to farmers to obtain family cows where none were owned. This encouragement was offered through timely news articles, circular letters and farm visits as well as through organized voluntary committee members.

Sale of Dairy Cattle: One dairyman was assisted in fitting and selling 4 cows in the State Guernsey Sale and 3 in other Guernsey sales.

The following dairy bulls were placed with dairymen in the county with assistance of county agent:

Name	Number	Breed	Age	Cost
R. E. McLendon	2	Guernsey	1 mo.)	\$ 2,100.00
		Guernsey	8 mo.)	
Lavern McCaskill	1	Guernsey	2 mo.	100.00
Grady Smith	1	Guernsey	2 yrs.	175.00
TOTALS	4			\$ 2,375.00

The following purebred dairy cows and heifers were placed in the county with assistance of county agent:

Name	Number	Age	Cost
Lavern McCaskill	1	14 mo.	\$ 300.00
Robert McKnight	1	6 mo.	125.00
R. E. McLendon	1	6 mo.	
	1	3 yrs.	1,140.00
L. F. Berry	1	4 yrs.	
	1	6 yrs.	325.00
Grady Smith	1	3 yrs.	
	1	5 yrs.	535.00
R. M. Prince	2	2 yrs.	1,375.00
TOTALS	10		\$ 3,800.00

Miscellaneous: Several farmers planted pearl millet for temporary grazing and 58 planted winter grazing patches.

Permanent Pasture: Permanent pasture work was discussed under agronomy, this report.

ENTOMOLOGY AND PLANT PATHOLOGY

Extension work in entomology and plant pathology in 1947 consisted of educational work in control of crop diseases and insects.

Dust Treatment of Cottonseed: Educational releases through news columns were made and several farmers were assisted in locating mercury dust for treatment of home grown seed. This is now a general established practice. Fully 98% of the cotton planted is now treated with mercury dust to control damping-off and other seed born diseases.

Boll Weevil Control: A campaign to encourage cotton stalk destruction was conducted through circulars, news articles and voluntary community workers. The use of 1-1-1 sweetened poison was urged through all means available. A large number of growers were advised personally as to sources of syrup and arsenate as well as to correct method and time of use. 52 farmers in the county dusted their cotton by airplane, using BHC which in most fields gave striking results. Approximately 4,000 acres of cotton was defoliated with aero dust.

Bill Bug Control: Farmers in the bill bug area of the county are doing a good job of controlling by rotating their corn fields as far away from the previously planted fields as possible, and by using more fertilizer at planting time and quick cultivation.

Miscellaneous: The following activities were carried out in reference to controlling insects and diseases:

Insects and Diseases

Office Calls

Small grain weevils	14
Pea weevils	5
Boll weevils	344
Bean beetle	21
Cabbage worm	22
Irish potato bug	8
Harlequin bug	64
Blister beetle	38
Grass hoppers	5
Cut worm	12
Mole cricket	8
Red spider	7
Bed bugs	14
Fleas	230
Cockroaches	84
Termites	11
Tomato worms	26
Corn ear worm	6
Poultry lice	55
Poultry rouse	12
Range paralysis	21
Coccidiosis	28
Worms and parasites in poultry	74
Peanut diseases	4
Sweet potato diseases	7
Nematodes	11
Peach borer	35
Cholera	294
House fly	1781
Cattle lice	58

The following general news articles and circulars were issued during the year on insects and diseases:

<u>Item</u>	<u>Number</u>
News articles	41
Circular letters	3

Cattle Lice Control: 58 farmers were assisted in obtaining dust mixed according to the extension formula and advised as to correct method of use. All farmers reported completely successful results. 5 herds of cattle were sprayed with DDT, giving very good results.

Rodents: The county agent cooperated with the Health Department and Bishopville city officials in continuing the rat campaign. 2 farmers were assisted in obtaining a foot pump and 10 lbs. of Synogas to control burrowing rats. Numerous farmers and town people were advised as to the use of poison in rat control. The following office calls were made on rodent control:

Mice..... 8
 Rats.....72
 Moles..... 4

Peach Insect Control: 5 method demonstrations were given in the use of Paradichlorobenzene in root borer control.

Beekeeping

Extension work in beekeeping consisted of advice to individual beekeepers and educational material through news releases. 1 re-queening demonstration was conducted.

FORESTRY

Forestry extension work in 1947 included educational work through news articles and circulars and cooperation in fire control work.

Planting: The county agent cooperated with the Soil Conservation Service and the County Forest Protective Association in promoting the planting of trees.

Summary Of Trees Planted In 1947

<u>Trees Planted By</u>	<u>Number</u>
Trees ordered through County Agent's office and set by farmers	56,000

Marketing: In connection with the general woodland management program, essentials of intelligent timber marketing were stressed. 12 farmers were able to sell their timber at considerable more than their original offer after having their woodslot estimated by a forestry service employee secured through cooperation of the county agent. Several other farmers were advised in timber and pulpwood cuttings.

Fire Protection: The county agent served as a member of the board of directors of the Lee County Forest Protective Association. The annual meeting was attended and active support rendered to the Association in every way possible.

Arbor Day: An Arbor Day Program was held on December 6 at the Bishopville High School. Two Cork Oak seedlings were set, one at the School and one at the county Court House with an attendance of 286 4-H Club and FFA members attending and sponsoring.

One farmer entered and completed the 5-Acre Pulpwood Thinning Contest.

4-H CLUB WORK

There were six 4-H Clubs for boys organized and conducted in Lee county in 1947. One Miscellaneous Club was organized with members who could not attend the school clubs and who were contacted individually and met at infrequent intervals. The total enrollment of these clubs amounted to 147 boys. Thirty-nine meetings were held with a total attendance of 1126. A 4-H Achievement Day was held with 175 members of the County Council in attendance. Numerous prizes and certificates were awarded and new County Council officers were elected. 300 members attended 4-H Club Day at the County Fair to participate in a program where prizes for achievement were awarded and contests held. This program was sponsored by the

Bishopville Kiwanis Club.

An Officers Training meeting was held where every club was represented by one or more of its officers.

Summary of Enrollment and Completions: The following is a list of 4-H Clubs in the county with completions by clubs:

Name of Club	Number Members Enrolled	Number Completed Demonstrations	Percent Members Completing Dems.
Ashwood	29	20	68
Bishopville	12	8	66.6
Central	36	6	16.7
Lucknow	11	8	72.7
Lynchburg Grammar	16	7	43.8
Lynchburg High	26	21	80.8
Miscellaneous	17	14	82.4
TOTALS	147	84	57.1

Following is a Summary of Enrollment and Completions 1938 Through 1947:

Year	Enrollment	Completions
1938	85	46
1939	135	81
1940	139	119
1941	118	109
1942	100	52
1943	86	42
1944	94	54
1945	98	59
1946	102	45
1947	147	84
TOTALS	1104	691

The following 4-H Club members started demonstrations, 84 of which were carried through to completion, in addition to entering into other group undertakings of 4-H Club members in the county:

ASHWOOD CLUB

Clinton Blankenship
Wilson Barnes
Darby McCathern
McCoy Brown
Harold Gainey
Melton Tidwell
Grady Elmore
Julian Nesbit
Francis Bramlett
Bernard Watson

R-1, Oswego, SC
R-1, Oswego, SC
R-2, Dalzell, SC
R-3, Bishopville, SC
R-1, Bishopville, SC
R-1, Oswego, SC
R-1, Oswego, SC
Oswego, SC
Oswego, SC
Dalzell, SC

ASHWOOD CLUB CONT'D.

Reynolds Logan
 Marion Watts
 LeRoy Bramlett
 Coley Huggins
 Billy Layton
 Jack Lollis, Jr.
 Farrel Smith
 Jim Ed Scurry
 Henry C. Broadway
 John Houser, Jr.
 Spencer LeGrand
 Thomas Boone, Jr.
 Carl Watts
 Billy Pace
 Thomas LeGrand
 Johnson Humphries
 McLendon Logan
 David Allen Houser
 Donald Watford
 Roby Truesdale
 Willie Bramlett

R-3, Bishopville, SC
 R-1, Bishopville, SC
 R-3, Bishopville, SC
 R-1, Bishopville, SC
 R-3, Bishopville, SC
 R-1, Oswego, SC
 R-1, Bishopville, SC
 R-3, Bishopville, SC
 R-1, Bishopville, SC
 R-3, Bishopville, SC
 R-1, Oswego, SC
 R-1, Bishopville, SC
 R-1, Bishopville, SC
 R-3, Bishopville, SC
 R-1, Bishopville, SC
 R-1, Bishopville, SC
 R-1, Oswego, SC
 R-3, Bishopville, SC
 R-1, Oswego, SC
 R-1, Bishopville, SC
 Oswego, SC

BISHOPVILLE CLUB

Edward McDowell
 Elridge Holloman
 Lawrence White
 Harold Outlaw
 James H. Hyatt
 Harold White
 Ellie Price
 Bobbie Peoples
 Bobby Skinner
 Henry Skinner
 Glenn Atkinson
 Raymond Woods

R-2, Lynchburg, SC
 Bishopville, SC
 R-1, Camden, SC
 Bishopville, SC
 R-4, Bishopville, SC
 R-1, Camden, SC
 Bishopville, SC
 Elliott, SC
 Elliott, SC
 R-2, Bishopville, SC
 R-3, Bishopville, SC
 R-2, Bishopville, SC

CENTRAL CLUB

Charles W. King
 Ralph White
 Douglas Schwori
 Jay Watson
 Eulis McCaskill
 John Hancock
 Charles T. Croft
 Billy Boykin
 Wade Stokes
 Brodus Stokes
 Sam McCutchen
 Albertus Williams
 Lewis Frady
 John Moore
 Olin Lee

R-1, Camden, SC
 R-1, Camden, SC
 R-1, Camden, SC
 R-1, Bishopville, SC
 R-1, Dalzell, SC
 R-1, Rembert, SC
 R-1, Rembert, SC
 R-1, Camden, SC
 R-1, Camden, SC
 R-1, Camden, SC
 R-1, Rembert, SC
 R-1, Camden, SC
 R-1, Dalzell, SC
 R-1, Dalzell, SC
 R-1, Camden, SC

CENTRAL CLUB CONT'D.

Bobby Joyner
 Wilbur Gladden
 Jerry Capell
 Joe Chewning
 Virgil Joyner
 Olin Stokes
 W. D. Bell, Jr.
 Deveron McGee
 Fred Hancock
 Haynesworth Holloman
 Richard Spencer
 Elbert Hancock
 Ernest Bell
 Ted Spencer
 Boyd Frady
 Joe Ellington
 Olin Huggins
 Vance Thompson
 Warren Lee
 Donnie Stokes
 David Boykin
 LeRoy Arledge
 Curtis Jackson
 Olin Holloman

R-1, Bishopville, SC
 R-1, Rembert, SC
 R-1, Rembert, SC
 R-1, Rembert, SC
 R-1, Bishopville, SC
 R-1, Camden, SC
 R-1, Dalzell, SC
 R-4, Bishopville, SC
 R-1, Dalzell, SC
 R-1, Bishopville, SC
 R-2, Dalzell, SC
 R-1, Rembert, SC
 R-1, Dalzell, SC
 R-1, Dalzell, SC
 R-1, Dalzell, SC
 R-1, Rembert, SC
 R-1, Rembert, SC
 R-1, Bishopville, SC
 R-1, Rembert, SC
 R-1, Camden, SC
 R-1, Bishopville, SC
 R-1, Camden, SC
 R-1, Camden, SC
 R-1, Camden, SC

LUCKNOW CLUB

Mayo Hyatt
 Robert Reynolds, Jr.
 Benny Tisdale
 Gary Hall
 Elisha Stephens
 Edward Stokes
 Manus Tisdale
 Russell Dyson
 Terry M. Hancock
 Robie J. Farmer
 Olin Lloyd

R-2, Cassatt, SC
 R-2, Cassatt, SC
 R-2, Cassatt, SC
 R-4, Bishopville, SC
 R-2, Cassatt, SC
 R-4, Bishopville, SC
 R-4, Bishopville, SC
 R-4, Bishopville, SC
 R-4, Bishopville, SC
 R-2, Cassatt, SC
 R-4, Bishopville, SC
 R-4, Bishopville, SC

LYNCHBURG GRAMMAR CLUB

Ronald Ackerman
 Henry Rufus Windham
 Harold Stewart
 LeRoy Dennis
 Frank Beasley
 James Barfield
 Wayne Carmichael
 Hugh Lee Stokes
 Kent Tyler
 James Windham
 John Henry Bell
 Robert Clements

R-2, Lynchburg, SC
 Atkins, SC
 Lynchburg, SC
 Lynchburg, SC
 R-2, Lynchburg, SC
 Lynchburg, SC
 Lynchburg, SC
 Lynchburg, SC
 R-2, Lynchburg, SC
 Atkins, SC
 Atkins, SC
 Atkins, SC

LYNCHBURG HIGH CLUB

Robert Prince	Lynchburg, SC
J. N. Wilson	Lynchburg, SC
Roland Stokes	Lynchburg, SC
Alvin Arrants	Lynchburg, SC
Earnest Lane	Lynchburg, SC
Jack Pendarvis	Lynchburg, SC
Ronald Houser	Lynchburg, SC
Jimmy Pendarvis	Lynchburg, SC
Harold Watford	R-1, Lynchburg, SC
J. Lavan Watford	R-1, Lynchburg, SC
Manuel Lane	R-1, Lynchburg, SC
LeRoy Powell	R-1, Lynchburg, SC
Sonny McElveen	Lynchburg, SC
Roy Hudgens, Jr.	Lynchburg, SC
J. P. Windham	Lynchburg, SC
Gary Chandler	Lynchburg, SC
Sammy Amerson	Lynchburg, SC
Foster Chandler	Lynchburg, SC
Advile Atkinson	Elliott, SC
William Jeffords	Elliott, SC
Jack McClam	Lynchburg, SC
Marion Stewart	Lynchburg, SC
J. B. Windham	Lynchburg, SC
Lloyd Jackson	Elliott, SC
Spencer Carmichael	Lynchburg, SC

MISCELLANEOUS CLUB

Marion Windham	R-2, Bishopville, SC
Dick Heriot	R-2, Dalzell, SC
Billy Heriot	R-2, Dalzell, SC
Joe Heriot	R-2, Dalzell, SC
Johnny O'Kelley	R-4, Bishopville, SC
Buck Stuckey, Jr.	R-4, Bishopville, SC
Dale Player	Elliott, SC
Madkie Peoples	Elliott, SC
W. C. McLeod	Elliott, SC
Jessie McLeod	Elliott, SC
Gene Matthews	Elliott, SC
Lavern McCaskill	R-4, Bishopville, SC
Walter Brown	Hartsville, SC
Lloyd Atkinson	R-3, Bishopville, SC
Gordon Baker	R-3, Bishopville, SC
John McCoy	R-3, Bishopville, SC
Charles Grant McCoy	R-1, Mayesville, SC

4-H Club Camp: Some forty-three 4-H Club boys enjoyed a week of camping at Camp Bob Cooper. In addition to entering into all the athletic contest and taking advantage of the recreational facilities of the camp these clubsters took time to learn something of tractor operation and maintenance, care and use of firearms and other worthwhile subjects taught at camp.

Fat Stock Show & Sale: Six Lee County 4-H Club members exhibited 14 fat steers at the Florence Fat Stock Show and Sale. Two of the steers graded choice one of which was placed 5th in the Show. Four graded medium and 8 graded good. Most of these steers were native Lee County stock. Following is a summary showing 4-H Club boys, number of steers sold and prices received at this Show and Sale:

Name	Number	Type	Amount of Sale
Edward McDowell	3	Hereford steer	\$ 645.25
Joe Heriot, Jr.	2	Hereford steer	370.51
Dick Heriot	2	Hereford steer	450.44
Billy Heriot	2	Hereford steer	386.75
Lavern McCaskill	1	Hereford steer	146.85
Walter Brown	4	Hereford steer	682.76
TOTALS	14		\$ 2,682.56

County Fair Exhibits: Seven Lee County 4-H Club boys showed a total of 40 exhibits at the 1947 County Fair. These exhibits consisted of corn, sweet potatoes, cotton, hogs, hay, beef and dairy cattle. Following is a list of boys' showing with the total amount of prizes won by each:

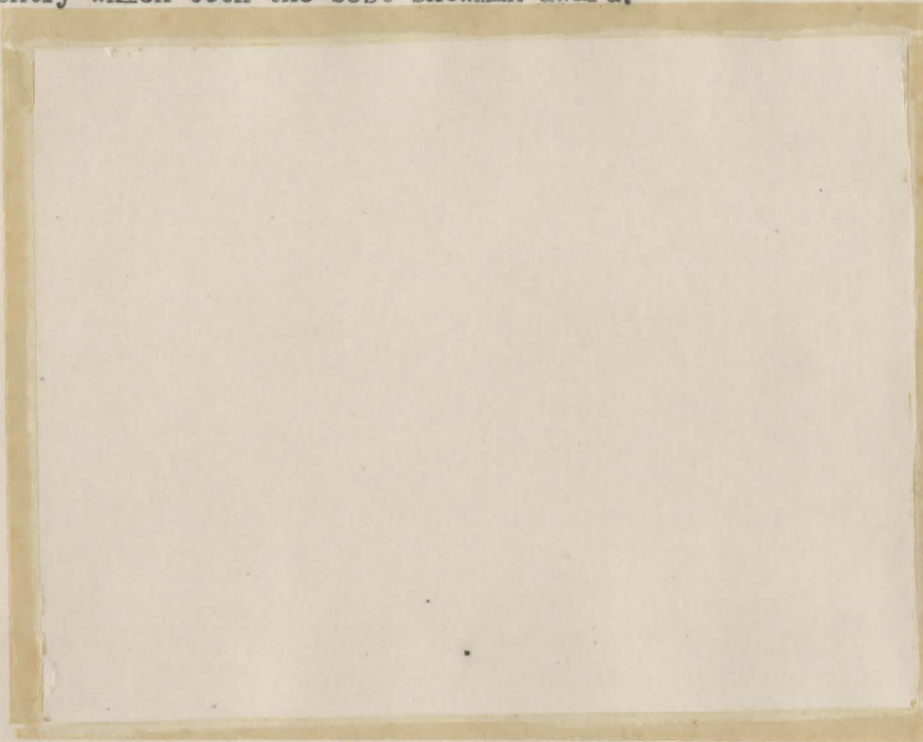
Name	No. Entries	Premiums
Billy Pace	1	\$ 2.00
Marion Stewart	1	3.00
Lavern McCaskill	3	5.00
Henry Broadway	1	4.00
Robert McKnight	1	15.00
J. Lavan Watford	3	6.50
Edward McDowell	30	171.50
TOTALS	40	\$ 206.00

Sumter County Fair: 1947 marked the first showing of a Lee County Dairy Calf Club in the Sumter Fair. Three members showed 4 animals in the Dairy Calf Department. Following is a listing of all Lee County 4-H Club boys who exhibited at this Fair with the total number of exhibits and winnings:

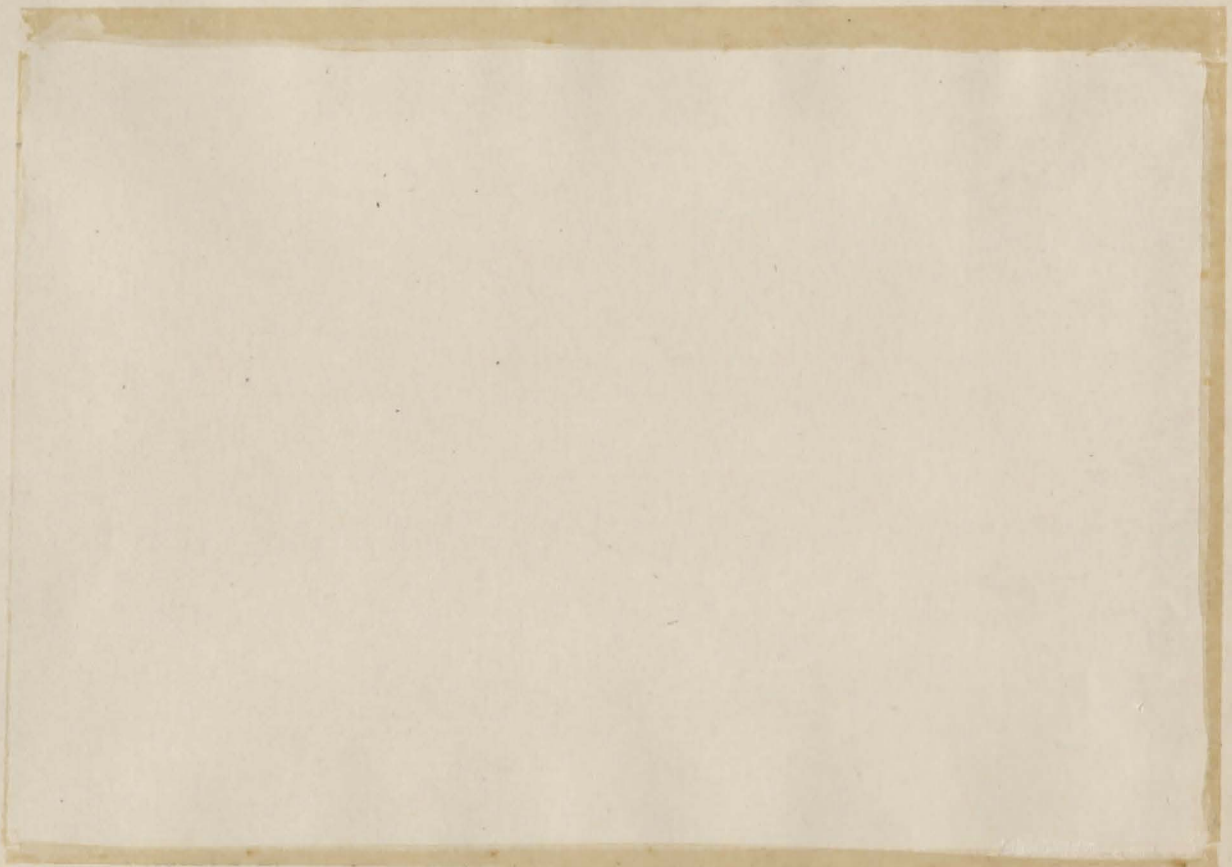
Name	No. Entries	Premiums
Edward McDowell	28	\$ 126.25
Lavern McCaskill	2	32.00
Robert Prince	1	12.25
Robert McKnight	1	7.05
TOTALS	32	\$ 177.55

Lavern McCaskill was awarded, in addition to \$32.00 in premiums a show halter and blanket for the Champion Dairy heifer, 4-H Club.

Following is a picture of the Grand Champion 4-H Club Dairy Heifer from Lee County shown at the Sumter County Fair and a picture of the clubster and his entry which took the best showman award:



Champion 4-H Dairy Heifer shown by Lavern McCaskill, R-4, Bishopville, S. C., at the Sumter County Fair. - Placed 3rd at State Fair.



First in showmanship - 4-H Club, Sumter County Fair, won by Lavern McCaskill, R-4, Bishopville, S. C.

State Fair Exhibits: Two corn exhibits were made by one club member from Lee County. Both exhibits were placed in the Blue Ribbon Group and brought the exhibitor \$3.45 in prizes.

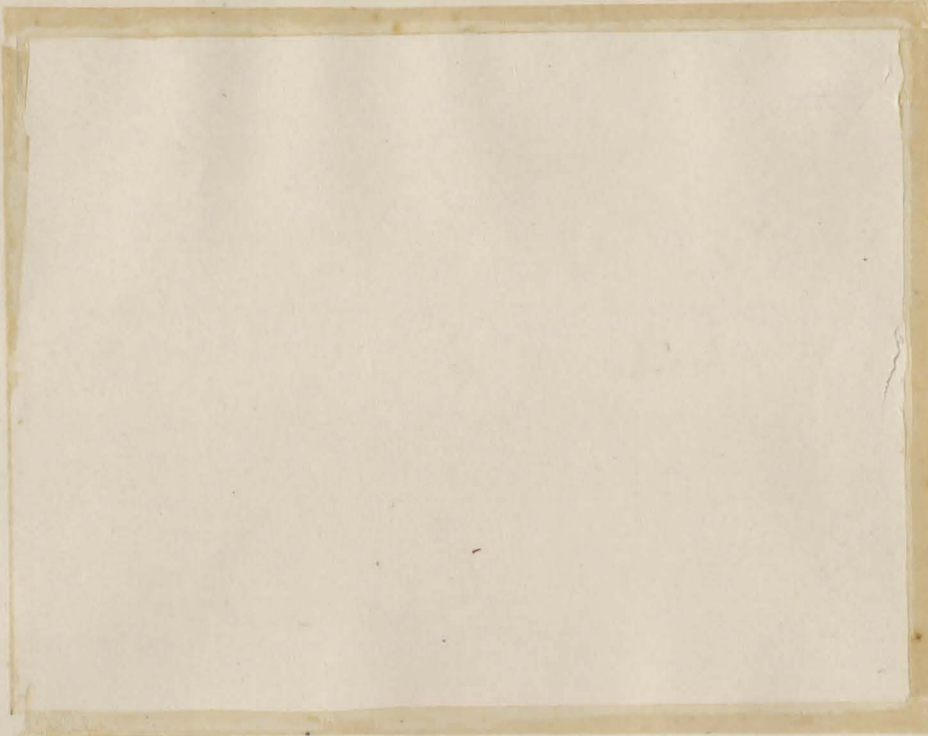
One Lee County 4-H Club boy made the following entries in the Swine Show held at the State Fair:

Name	Entry	Placing	Premium
Edward McDowell (Open)	Aged Boar	1st.	\$ 8.00
	Sr. Boar Pig	3rd.	4.00
	Sr. Yearling Sow	1st. & 2nd.	14.00
	Produce of Sow	3rd.	3.00
	Aged Herd	1st.	8.00
	Pen of 3 Barrows	3rd.	10.00
Edward McDowell (4-H Class)	Aged Boar	1st.	3.00
	Jr. Yearling Boar	1st.	3.00
	Sr. Boar Pig	1st.	3.00
	Jr. Boar Pig	1st. & 2nd.	7.00
	Sr. Yearling Sow	1st. & 2nd.	8.00
	Jr. Yearling Sow	1st.	5.00
	Sr. Sow Pig	1st. & 2nd.	8.00
	Jr. Sow Pig	4th. & 5th.	2.00
	Jr. Champion	Ribbon	
	Sr. Champion	Ribbon	
	Grand Champion	Ribbon	
	Best Fitted Animal	Ribbon	
TOTAL			\$ 87.00

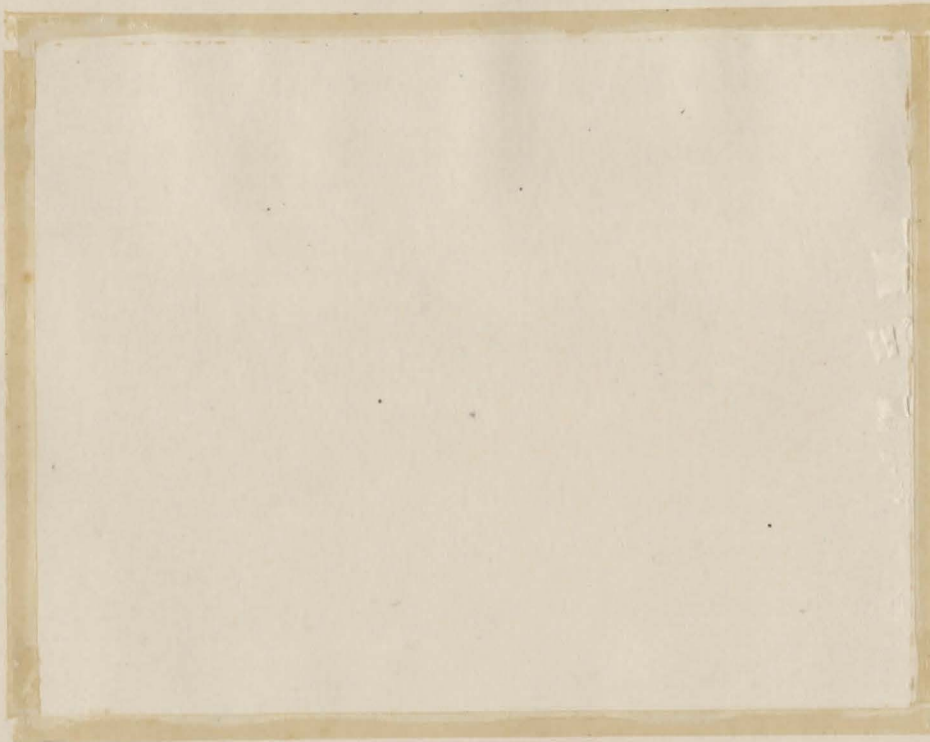
One Lee County 4-H Club boy made the following entries in the Dairy Show held at the State Fair:

Name	Entry	Placing	Premium
Lavern McCaskill (Open)	Bull Sr. Calf	1st.	\$ 15.00
	Sr. Champion Bull		10.00
	Jr. Champion Bull		10.00
Lavern McCaskill (4-H Class)	Heifer, Jr. Yearling	4th.	4.00
Lavern McCaskill (Open)	Heifer, Jr. Yearling	5th.	5.00
	Grand Champion Bull	Ribbon	
TOTAL			\$ 44.00

On the following page will be found picture of the Grand Champion Boar and Grand Champion Bull exhibited by Lee County 4-H Club boy's at the State Fair, Columbia, S. C.



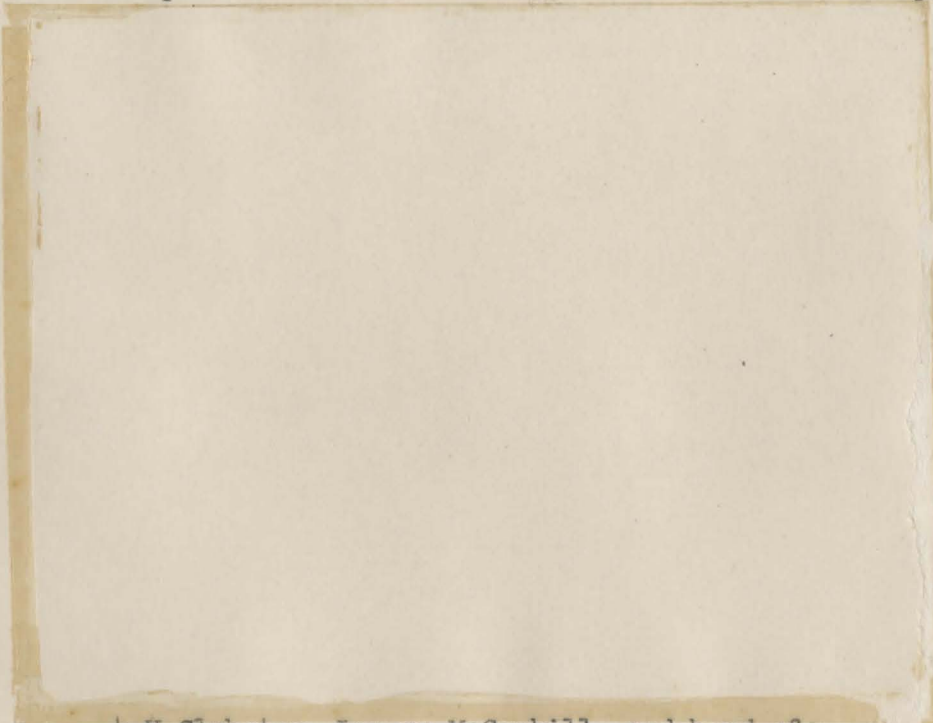
Grand Champion Boar exhibited at 1947
State Fair by Edward McDowell, R-2,
Lynchburg, S. C.



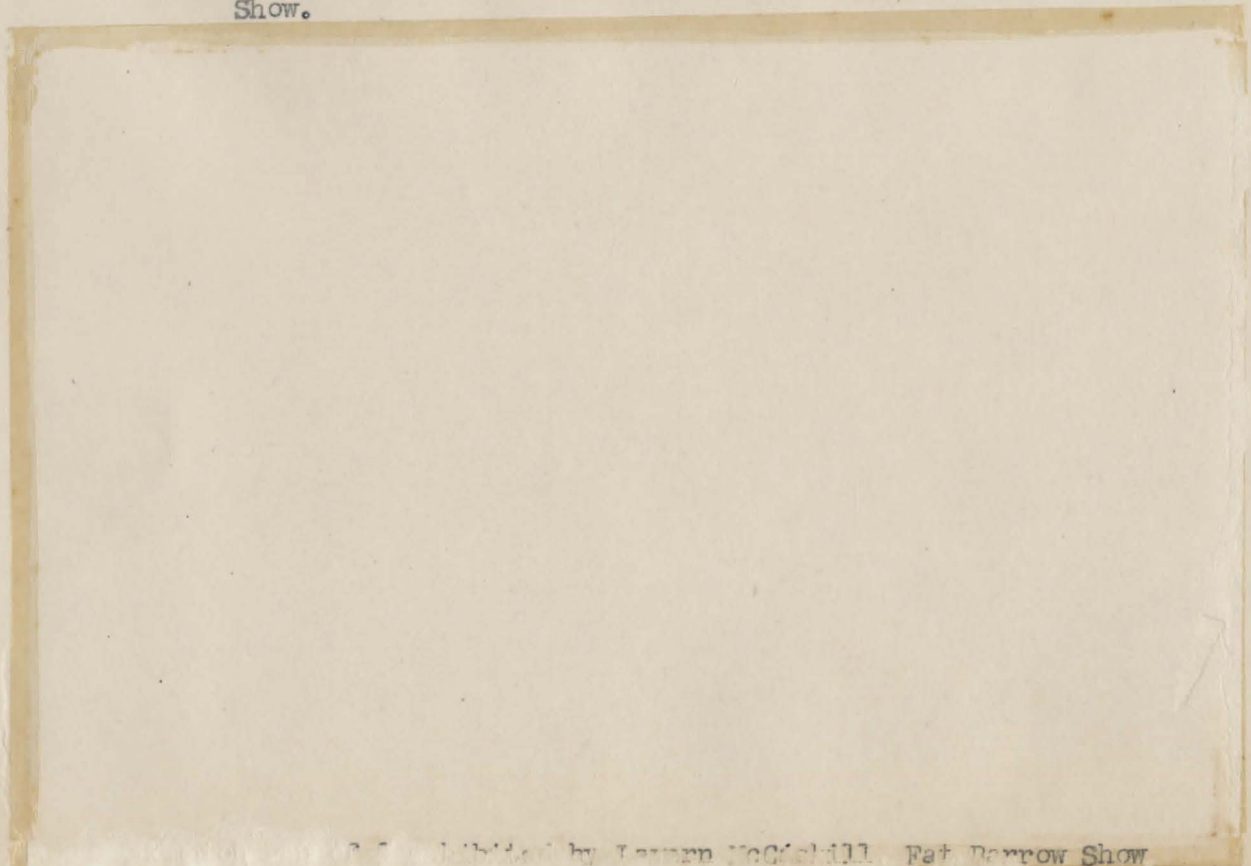
Grand Champion Bull exhibited at
1947 State Fair by Iavern McCaskill,
R-4, Bishopville, S. C.

Lee County 4-H Fat Barrow Show & Sale: Lee County held it's first 4-H Club Fat Barrow Show & Sale on September 30, 1947. Ten boys exhibited and sold a total of 73 fat barrows. 69 of these hogs graded good and choice while only 4 graded medium. \$135.00 was awarded in premiums at this Show.

Following are some pictures showing a 4-H entrant feeding his herd prior to the Show under the direction of the County Agent - the exhibitor of the Grand Champion Barrow and the exhibitor of the Grand Champion Pen of 3.



4-H Clubster, Lavern McCaskill, and herd of Fat Barrows shown at County 4-H Fat Barrow Show.



4-H Clubster, Lavern McCaskill, and herd of Fat Barrows shown at County 4-H Fat Barrow Show.

Sears Roebuck Pig Contest: The following 7 boy's were entered in the Sears Pig Chain Contest for Lee County in 1947. Six of these boys were able to secure their pigs by borrowing from the Rotating Fund set up in the county by Sears Roebuck & Company:

Henry Broadway
McCoy Brown
Wilson Barnes
Billy Layton
Farrel Smith
Brodus Stokes
Lavern McCaskill

The winner in this contest has not been decided in time for this report.

Many of the brood sows, the ownership of which was made possible by the Sears Rotating Fund, and many of the cows given as prizes for the County Sears Pig Chain winners are still in the hands of the original and other 4-H clubsters in Lee County.

The following named boys were enrolled in the District Brood Sow and Litter Contest for 1947:

Roy Hudgens, Jr.
Robert Prince
Robert McKnight
J. Lavern Watford
Harold Watford

Sweet Potato Club: Lee County entered the State Sweet Potato Contest in 1947 with eight 4-H members. Two of this group failed to get their acre set due to scarcity of plants. Of the required number remaining two had to dig before complying with the rules of the Contest, due to disease which appeared in the crop.

Following is a list of the 4-H Club members which entered this contest:

Alvin Arrants
Jack McClam
Robert Prince
J. Lavern Watford
Harold Watford
Marion Stewart
Edward McDowell

Edward McDowell made a total yield of 397 bushels with a sale value of \$461.00 on his one acre plot.

Special 4-H Events: The following boy's received valuable prizes awarded by The Bishopville Kiwanis Club at an Achievement Day Celebration sponsored and staged by the Kiwanis Club at the Lee County Fair:

Name	Basis For Prizes
Edward McDowell	County Meat Animal Winner
Robert Prince	County 4-H Leadership Winner
Lavern McCaskill	Outstanding First Year Boy In 4-H Club Work
Ronald Houser	County Garden Contest Winner

Dairy Calf Club: Lee County began it's first Dairy Calf Club in 1947 by placing 4 calves with 3 boys. This group won recognition at the State Fair by placing the Grand Champion Guernsey Bull and at the Sumter County Fair by placing 3 out of 4 animals in the Blue Ribbon Group and showing the Grand Champion Animal and best Showman.

Dairy & Livestock Judging Teams: Lee County produced a Dairy Cow and Livestock Judging Team in 1947. The Livestock Team placed in the upper division of the District Contest while the Dairy Team placed second in the District.

4-H Club Records: Following is given a summary of 4-H Club records completed in 1947 according to enterprise:

Cotton Club

Name of Member	No. Acres	# Seed Cotton	Lbs. Lint	Total Value	Total Cost	Total Profit
Olin Lee	1.0	1400	518	191.00	89.75	\$ 101.25
Elridge Holloman	3.0	2750	1010	365.70	193.50	172.20
Harold White	2.0	2630	995	265.30	158.00	107.30
Benny Tisdale	1.0	1260	465	86.50	59.75	26.75
Edward Stokes	1.0	1300	490	77.35	56.25	21.10
A. L. McCaskill, Jr.	4.0	5200	1960	705.10	286.05	419.05
TOTALS	12.0	14540	5438	\$1690.95	\$843.30	\$847.65

Calf Club

Name of Member	No. Animals	Days Fed	Gain In Weight	Total Value	Total Cost	Profit
Edward McDowell	3	97	340	645.25	405.00	240.25
Joe Heriot	2	125	231	370.51	291.00	79.51
Dick Heriot	2	125	245	450.44	306.00	144.44
Billy Heriot	2	125	225	386.75	298.75	88.00
Lavern McCaskill	1	90	85	146.85	117.50	29.35
Walter Brown	4	122	500	682.76	511.50	171.26
John McCoy	1	93	100	145.50	114.75	30.75
TOTALS	15	777	1726	\$2,828.06	\$2,044.50	\$ 783.56

Poultry Club

Name Of Member	Eggs Set	Strong Chicks Bought of Hatched	Total Value	Total Cost	Total Profit
Harold Stewart	0	53	\$ 108.05	\$ 69.90	\$ 38.15
Roland Stokes	0	101	\$ 176.50	\$ 141.25	\$ 35.25
TOTALS		154	\$ 284.55	\$ 211.15	\$ 73.40

Corn Club

Name Of Member	No. Acres	Yield (Bu.)	Total Value	Total Cost	Total Profit
Kent Tyler	1.0	30	\$ 67.50	\$ 27.75	\$ 39.75
Earnest Lane	1.0	35	70.00	36.50	33.50
McLendon Logan	1.0	25	50.00	31.00	19.00
TOTALS	3.0	90	\$187.50	\$ 95.25	\$ 92.25

Garden Club

Name of Member	No. Of Acres	Yield (Bu.)	Total Value	Total Cost	Profit
Ronald Ackerman	$\frac{1}{4}$	25	\$ 75.00	\$ 17.50	\$ 57.50
Ronald Houser	$\frac{3}{8}$	50	121.50	40.80	70.70
Hugh Lee Stokes	$\frac{1}{4}$	33	81.70	15.75	65.95
J. P. Windham	$\frac{1}{8}$	14	27.00	9.50	17.50
Wayne Carmichael	$\frac{1}{8}$	16	33.50	15.00	18.50
Carl Watts	$\frac{1}{8}$	22	41.75	16.50	25.25
Roby Truesdale	$\frac{1}{4}$	25	53.50	21.00	32.50
Roy Dennis	$\frac{1}{4}$	35	78.75	39.00	39.75
Robert Reynolds	$\frac{1}{4}$	19	41.75	23.00	18.75
Terry M. Hancock	$\frac{1}{4}$	30	63.00	31.25	31.75
Robie J. Farmer	$\frac{1}{4}$	30	55.00	33.50	21.50
TOTALS	2 $\frac{3}{4}$	299	\$ 672.45	\$ 268.80	\$ 399.65

Dairy Calf Club

Name of Member	Number Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Lavern McCaskill	2	260	165	\$ 600.00	\$ 450.00	\$150.00
Robert McKnight	1	150	65	135.00	120.00	15.00
Robert Prince	3	560	300	1500.00	1300.00	200.00
Edward McDowell	2	365	90	350.00	135.00	215.00
Darby McCathern	1	180	160	150.00	140.00	10.00
Farrel Smith	1	365	300	280.00	160.00	120.00
TOTALS	10	1880	1080	\$ 3015.00	\$2305.00	\$710.00

Pig Club
(Sow and Litter Class)

Name of Member	No. Pigs Farrowed	No. Pigs Raised	Total Value	Total Cost	Profit
Harold Watford	16	15	\$ 383.75	\$ 125.50	\$ 258.25
Elisha Stephens	9	7	120.00	94.00	26.00
Terry Hancock	9	9	130.00	73.95	56.05
Edward McDowell	91	75	3170.00	1198.75	1971.25
Robert McKnight	18	17	465.00	311.65	153.35
J. Lavan Watford	16	14	375.50	135.00	240.50
Gary Chandler	7	6	215.00	131.50	83.50
Roy Hudgens, Jr.	8	8	285.00	173.00	112.00
LeRoy Powell	8	5	135.00	131.75	3.25
Robert Prince	7	7	225.00	163.55	61.45
TOTALS	189	163	\$ 5504.25	\$ 2538.65	\$ 2965.60

Pig Club

Name of Member	Number Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Henry Broadway	1	159	170	\$ 104.00	\$ 38.70	\$ 65.30
Brodus Stokes	1	159	250	150.00	67.85	82.15
McCoy Brown	1	159	45	25.00	43.00	18.00
Wilson Barnes	1	159	40	25.00	42.00	17.00
Billy Layton	1	159	45	25.00	39.75	14.75
Lavern McCaskill	1	155	240	150.00	61.05	88.95
Edward McDowell	7	200	1225	750.00	404.25	345.75
Farrel Smith	1	159	175	100.00	35.93	64.07
Olin Stokes	1	161	130	75.00	63.75	11.25
Darby McCathern	1	147	105	75.00	42.50	32.50
Harold Gainey	1	141	91	60.00	39.65	20.35
TOTALS	17	1758	2516	\$ 1539.00	\$ 878.43	\$ 665.57

Sweet Potato Club

Name of Member	No. of Acres	Yield (Bu.)	Total Value	Total Cost	Total Profit
Harold Watford	1.0	225	\$ 281.25	\$ 157.20	\$ 124.05
Robert Prince	1.0	200	180.00	143.75	36.25
Edward McDowell	1.0	397	461.00	107.50	353.50
Robert McKnight	1.0	185	225.50	151.65	73.85
Marion Stewart	1.0	228	224.00	117.00	107.00
Jack McClam	0.5	135	157.50	41.25	116.25
J. Lavan Watford	1.0	140	160.00	133.40	26.60
Alvin Arrants	1.0	250	325.00	93.50	231.50
Albertus Williams	0.5	100	150.00	91.00	59.00
TOTALS	8.0	1860	\$ 2164.25	\$ 1036.25	\$ 1128.00

Pig Club
(Fattening Class)

Name of Member	No. Animals	Days Fed	Gain In Wt.	Total Value	Total Cost	Profit
Gary Hall	7	150	700	\$ 151.20	\$ 91.20	\$ 60.00
Billy Pace	3	169	420	114.75	90.00	24.75
Henry Broadway	3	98	330	138.37	90.25	48.12
Robert Prince	4	97	464	197.68	125.60	72.08
Farrel Smith	5	153	690	274.95	255.00	19.95
Wade Stokes	4	102	525	161.79	129.00	32.79
Lavern McCaskill	24	90	3485	1305.92	1060.60	245.32
Edward McDowell	8	100	1200	428.20	297.65	130.55
Joe Heriot	3	100	525	150.80	93.75	57.05
Dick Heriot	3	100	495	135.87	87.50	48.37
Billy Heriot	2	95	275	106.10	71.25	34.85
Jimmy Barfield	3	90	259	86.40	62.25	24.15
Walter Brown	20	92	2760	1066.29	545.00	521.29
Sam McCutchen	3	365	365	144.00	120.00	24.00
Mayo Hyatt	4	115	469	153.69	135.00	18.69
Johnson Humphries	3	90	210	93.00	66.40	26.60
John Houser, Jr.	1	95	155	45.00	33.00	12.00
Spencer LeGrand	1	85	111	38.50	34.50	4.00
David A. Houser	1	75	107	31.00	28.50	2.50
Marion Watts	1	79	143	43.00	27.35	15.65
TOTALS	103	2140	12488	\$ 4866.51	\$ 3443.80	\$ 1422.71

Below is picture of former Lee County 4-H Club member showing Champion Pen of Barrows at 1947 State Fair, Columbia, S. C.



HORTICULTURE

Extension work in Horticulture in Lee County during 1947 included demonstrations in home garden, sweet potatoes and home orchards.

Gardens: Educational material on garden culture was given through news articles and circular letters, and personal contacts. 19 news articles and 5 information letters and 28 farm visits were made during the year.

Sweet Potatoes: Sweet potato work in 1947 included hotbed demonstrations, production and harvesting demonstrations, assistance in selection and marketing.

Fire Heated Hotbeds: Two fire heated hotbed demonstrations were completed. A summary follows:

Name	No. Beds	Size of Bed	Bushels Bedded	Date Bedded	Date Pulled	No. Plants Produced
J. E. DuRant	1	7½' x 45'	32	3/12/47	4/4/47	140,000
Ralph Bell	4	14' x 60'	480	2/28/47	3/28/47	931,000

Manure Heated Hotbeds: Records were obtained on 2 manure heated hotbeds in 1947. Following is a summary:

Name	No. Beds	Size of Bed	Bushels bedded	Date Bedded	Date Pulled	No. Plants Produced
J. E. DuRant	1	6' x 18'	12	3/12/47	4/28/47	26,500
L. F. Berry	1	6' x 30'	40	3/12/47	4/19/47	65,000

Electric Heated Hotbed: Record was obtained on the operation of 2 electric heated hotbeds in 1947. Following is a summary:

Name	No. Beds	Size of Bed	Bushels Bedded	Date Bedded	Date Pulled	No. Plants Produced
R. B. Gentry	1	6' x 60'	70	3/8/47	4/16/47	120,000
Ralph Bell	1	6' x 60'	70	2/28/47	4/3/47	145,000

Sweet Potato Demonstrations: One sweet potato enterprise demonstration record was completed with the following results:

Name	No. Acres	No. Bu. Produced and Sold	Value	Cost	Profit
J. E. DuRant	4.0	560	\$ 2,530.00	\$ 1,125.15	\$ 1,404.85
H. W. Shaw	5.0	1190	2,380.00	533.30	1,846.70
H. W. Shaw	5.0	1210	2,420.00	533.30	1,886.70

Cucumber Demonstration: One cucumber enterprise demonstration record was completed with the following results:

Name	No. Acres	Total Pounds Produced	Value	Cost	Profit
L. E. Watford	1.0	8,918	\$ 203.07	\$ 149.01	\$ 54.06

Sweet Potato Marketing: Assistance was given producers in harvesting, grading and marketing. Several harvesting and grading demonstrations were given. A large number of growers were advised and assisted in marketing sweet potatoes through two local markets who accept potatoes every day during the season in both large and small lots, and also 4 out of county buyers. Encouraged farmers to dehydrate their culls for livestock feed.

Miscellaneous: The following trees, etc. were ordered cooperatively by the county agent for farm people in the county:

12 farmers	95 fruit and nut trees
5 farmers	400 tulip bulbs

Pruning Demonstrations: 11 method demonstrations were conducted and periodic news releases were issued giving advice as to proper care of orchard.

MARKETING

Extension work in marketing for 1947 consisted in grading, packing and aiding farmers in cooperative buying and selling.

Grading and Packing: With the assistance of marketing specialist, the agent's have worked closely in encouraging farmers of the county to improve the grade and pack of products as a stimulant to heavier demand. Method demonstrations were given when practical, and farmers encouraged at meetings and through circular letters and news articles.

Inspection Work: Sweet potatoes purchased in car and truck lots by out of county individual buyers were inspected and marketed from the county with assistance of state marketing specialist when requested.

Marketing: The county agent served the Lee County Livestock Association in an advisory capacity and supervised the cooperative assembling, grading and selling of hogs. The agent also served at various times during the year in bringing buyer and seller together. During 1947 the agent helped the Association start in handling feeds and seeds cooperatively. This has grown into a sizeable business for the livestock association.

On the following page is a summary of cooperative marketing work carried on with the assistance of county agent during the year:

Summary Marketing Work 1947

Products	Quantity	Bought	Sold
Hogs (meat)	1,569 head	\$	\$ 75,452.82
Hogs (breeding)	123 head	3,719.00	5,705.00
Beef Cattle (meat)	52 head	1,415.40	5,293.05
Beef Cattle (breeding)	19 head	3,815.00	
Poultry (including turkeys)	5,708 lbs.		1,982.91
Eggs	2,617 doz.		1,046.80
Dairy Cattle	18 head	6,475.00	300.00
Milk	58,400 lbs.		5,464.00
Cream	658 lbs.		515.00
Sheep, Lambs, etc.	16 head		108.00
Horses & Mules	5 head		945.00
Baby Chicks	3,600 chicks	540.00	
Queen Bees	4 bees	8.00	
Sweet Potatoes	9,455 bu.		14,182.50
Tobacco	53,000 lbs.		21,730.00
Vegetable Crops	161.8 tons		8,000.00
Corn - Feed	20,121 bu.	400.00	45,818.30
Corn - Seed	96 bu.	549.00	80.00
Cotton	281 bales		48,685.00
Cottonseed	122 tons	1,500.00	11,200.00
Wheat	4,815 bu.		18,397.00
Oats	25,500 bu.	26,365.00	
Rye	3,734 lbs.	463.65	
Barley	65 bu.	15.00	120.00
Peanuts	31 tons		6,010.00
Soybeans	151½ bu.	99.25	472.50
Cow Peas	84 bu.	546.00	
Crotalaria	2,200 lbs.		264.00
Sweet Potato Plants (1,000)	146,000 plants		584.00
Hay	72 tons	1,920.00	1,200.00
Vetch Seed	7,351 lbs.	3,252.11	
Dixie Wonder & A. W. Peas	24,098 lbs.	16,815.71	
Lespedeza Seed	8,550 lbs.	1,325.75	
Clovers, Seed	1,088 lbs.	373.37	
Kudzu Crowns (1,000)	3,000 crowns		450.00
Pecans	600 lbs.		156.00
Misc. Seeds	716 lbs.	550.51	
Nursery Stock	95 pieces	75.25	
Timber or Lumber	1,680,000 bd. ft.		40,320.00
Pulpwood	1,164 units		9,312.00
Forest Seedlings	56,000 trees (free)		
Farm Machinery & Equipment	68 units	34,045.65	
Molasses	56 gal.		56.00
Benzine Hexachloride	32,000 lbs.	9,600.00	
Other Insecticides	1,072 lbs.	489.83	
Containers	5,000	726.00	
Protein Supplement	5,400 lbs.	425.75	
Feeds	30,878 lbs.	1,757.79	
Mineral	2,000 lbs.	80.00	
TOTALS		\$ 117,348.02	\$ 323,849.88

POULTRY

Extension work with poultry production in Lee county in 1947 consisted of furnishing timely information and assistance through personal visits, news articles and circular letters.

Cooperative Poultry Sales: One cooperative sale of poultry was held with the following results:

Month	Number Shippers	Number Pounds	Amount
3-12-47	52	2,743	\$744.91

Following is a summary of poultry marketing 1938 through 1947:

Year	Number Shippers	Pounds	Amount
1938	617	14,407	\$ 2,337.55
1939	319	18,702	2,691.50
1940	134	12,132	1,460.53
1941	184	17,388	2,334.60
1942	65	4,810	805.49
1943	74	5,886	1,367.22
1944	117	10,547	2,437.89
1945	74	5,363	1,315.22
1946	35	5,417	1,138.39
1947	52	2,743	744.91
TOTALS	1,671	97,395	\$ 16,633.30

The county and home agents secured the cooperation of two local merchants in establishing a regular daily egg market for surplus eggs. This afforded an outlet for all surplus eggs at a period when farmers would not have been able to dispose of eggs otherwise.

Following is a summary of eggs marketed during 1947

Year	Number Farmers Served	Number Dozen	Amount
1947	78	2,617	\$ 1,046.80

Many eggs produced in the county are sold to nearby hatcheries.

Securing Baby Chicks: 16 farmers were assisted in securing 3,600 day old chicks. Many others were advised as to place to order and otherwise assisted.

Blood Testing: Five farmers have been assisted in obtaining the services of local hatcheries to blood test their flocks.

Culling Demonstrations: Four culling demonstrations were given with the following results:

Name	Number Birds Culled
Mrs. V. S. Goodyear	208
Mrs. Genie E. Smith	190
J. B. King	71
Robert Latimer	24

Miscellaneous: 197 poultry producers called at the county agent's office for advice as to control of various diseases of poultry.

VISUAL INSTRUCTION

Visual Instruction work during the year consisted of the use of charts and maps at extension meetings; showed educational motion pictures to 784 farm people at 9 meetings and took 64 different snap shots of demonstration projects.

A.A.A. ACTIVITIES

The work of the A.A.A. in the county has been so arranged that it requires much less of the county agent's time than formerly.

The office of the A.A.A. is still in the county agent's office and the agent is still called upon to give much advice in reference to the program. The agent gave to farmers timely information relative to the benefits they could earn through the A.A.A. Program.

PUBLICITY

Publicity work and disseminating educational work in connection with the extension program in Lee County in 1947 was done through circular letters, press articles, distribution of bulletins and farm visits.

Summary Publicity Work

Individual letters written.....	1,963
Circular letters.....	53
Copies mailed.....	24,145
Press articles.....	209
Bulletins distributed.....	3,132

Circular Letters: A total of 53 circular letters were prepared by the county agent of which 24,145 copies were mailed to farmers and 4-H club members. These letters contained timely and useful information on various farm subjects.

Individual Letters Written: A total of 1,963 individual letters were written to farmers and 4-H club members relative to the extension program.

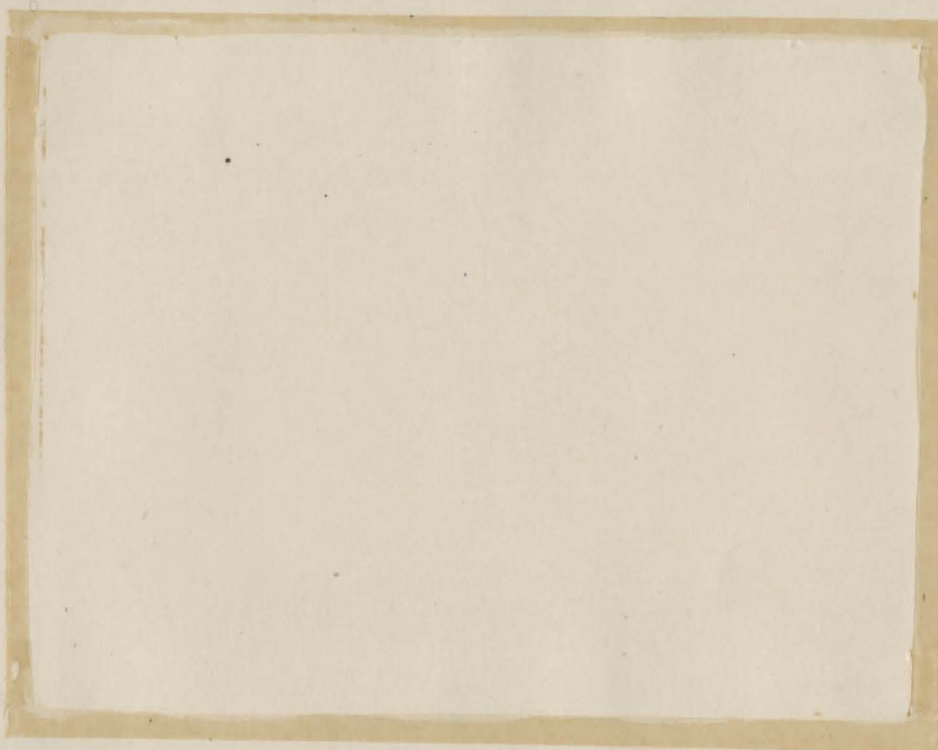
Press Articles: A total of 209 news articles were published as regular items in the county and home agent's weekly news column and also as feature articles where they would best serve. 195 square inches of newspaper space was used by sponsors in advertising the Food & Feed Production & Conservation Program for 1947.

Bulletins Distributed: A total of 3,132 bulletins were distributed to farmers and 4-H club members during the year.

Master Farm Family: For the first time Lee County was given the honor of having one of the four families in the State selected as a Master Farm Family. This honor was bestowed upon the C. B. Player Family, R-3, Bishopville, S. C.

These folks are not only good farmers, but leaders in all community and county activities. This family will always be a Master Farm Family.

Below is a snapshot of the Player Family:

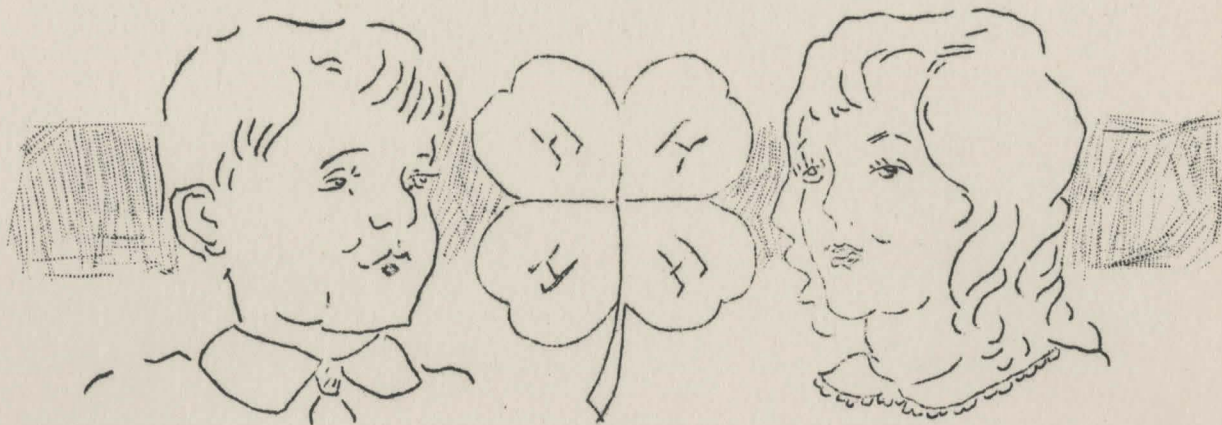


On the following pages will be found specimens
of circular letters issued during the year.

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 STATE OF SOUTH CAROLINA

UNITED STATES DEPARTMENT OF AGRICULTURE
 CLEMSON AGRICULTURAL COLLEGE OF SOUTH CAROLINA
 AND WINTHROP COLLEGE, COOPERATING

EXTENSION SERVICE
 HOME DEMONSTRATION WORK



Bishopville, S. C.
 May 12, 1947

Dear 4-H Member:

The County 4-H Council, made up of all 4-H Club members in the county will hold its annual meeting SATURDAY, MAY 17th at 9:30 o'clock at the LYRIC THEATRE.

Every 4-H boy and girl in the county is urged to attend. PARENTS AND FRIENDS are also invited to come.

There will be a short program after which the certificates and diplomas will be delivered. Your award will be designated in the P.S.

There will also be a dress revue.

Everyone come and enjoy this get-together. Come to the front of the Court House at 9:00 and we will all march to the Lyric Theatre.

Sincerely,
Mary Ida Warner
 Mary Ida Warner
 Co. Home Dem. Agent
W. L. Bryant
 W. L. Bryant
 Co. Agent
V. F. Linder
 V. F. Linder
 Ass't. Co. Agent

MIW/d

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, S. C.
June 4, 1947

EXTENSION SERVICE

TO: ALL LEE COUNTY GINNERS

We are calling a meeting of all Lee County Ginnners and a few leading cotton farmers, 11:00 A. M. Friday, June 6 at the County Agent's Office, Bishopville, S. C. for the purpose of organizing a One Variety Cotton Improvement Association in Lee County.

Since we have a Seed Certification Association organized and operating in South Carolina, all ginnners will have to be organized to gin a One Variety Cotton in order for their patrons to receive certification on the cotton seed they produce under the Seed Certification Association laws.

Mr. H. G. Boylston, Extension Cotton Improvement specialist, and a representative of the Board of Cotton Examiners, U. S. Department of Agriculture, Columbia, are expected to be with us to fully explain to the ginnners the procedure to be followed by the Organized Cotton Improvement Groups in obtaining free cotton classification and Market News services in 1947 under the Smith-Doxey Act.

We urge you to make every effort possible to attend this meeting as it is of vital importance to you as a ginner and the patrons who will obtain ginning services from you.

Very truly yours,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

V. F. Linder
Assistant County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
August 4, 1947

TO ALL LEE COUNTY SWEET POTATO GROWERS:

There will be a mechanical Sweet Potato Digging Demonstration 9:30 A. M., Thursday, August 7th, about three miles from Bishopville on the Wisacky Road on Dr. R. L. Dickinson's farm. The demonstration will be about $\frac{1}{2}$ mile off the road. A sign on the Highway will direct you to the plot.

The Rotary Digger attached to a tractor or to a pair of mules has the indication of getting a good many more potatoes out of the ground than by picking by hand, and at the same time save a lot of labor.

COME OUT AND LET'S SEE WHAT IT WILL DO!

Very truly yours,

W. L. Bryant

W. L. Bryant
County Agent

V. F. Linder

V. F. Linder
Assistant County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
July 25, 1947

TO ALL LEE COUNTY FARMERS:

Recently a few ginner and farmers organized a "One Variety Cotton Classification Improvement Program" for Lee County. In short, what this means to you is that you are entitled to free Classification and Market News Service, if you want it.


If you want this justified service then go see your local ginner and ask him to make necessary arrangements to give you the free service when you start ginning.

As we all know, marketing is becoming more and more important to the cotton farmer. At the present price of cotton farmers can easily loose several dollars a bale by not knowing the exact market value of their cotton when they get ready to sell. If you use this service you know what you can get for your cotton and don't have to put the cotton in the hands of an unreliable buyer.

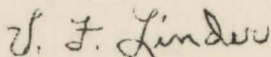
Official classification of cotton by the U. S. Department of Agriculture enables the grower to know the exact grade and staple length of each bale he produces. With such information and by checking price quotations, the grower can figure what his cotton should bring.

Don't wait, see your ginner at once!

Very truly yours,



W. L. Bryant
County Agent



V. F. Linder
Assistant County Agent

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COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

LEWIS AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

Bishopville, South Carolina
September 17, 1947

EXTENSION SERVICE

TO ALL LEE COUNTY FARMERS:

We have tried to work out a year round grazing calendar that will fit your farm. One or more of these recommendations will do well on any farm in Lee County. Keep this information for further reference and come to see us if you would like to have further information on pastures.

For your information, the following Lee County Cotton Gins are in a position to give you free sampling service: Palmetto Oil Company, Farmers' Ginning & Trade Co., DesChamps Gin Co., Bishopville, S. C.; Newsom Bros., R-4, Bishopville; Earnest Joyner, R-1, Camden; W. A. Johnson Gin Co., Cassatt; St. Charles Gin Co., St. Charles; R. V. Segars (2 gins) Oswego, R-1; Cypress Gin, R-2, Lamar and Mindle Chearning Gin, R-1, Bishopville.

This is free service to all farmers who ask for it, and I think every farmer would like to know just what his cotton would grade before he sells it. If you know, then you are not guessing and should be in a position to get the top price for your cotton.

Very truly yours,

W. L. Bryant
W. L. Bryant
County Agent

V. F. Linder
V. F. Linder
Ass't. County Agent

Bishopville, South Carolina
September 17, 1947

SUGGESTED LEE COUNTY GRAZING CALENDAR

We think that a 12 month grazing program is essential in any successful livestock program. Therefore, we are endeavoring to make recommendations that are practical and usable on a small farm where one cow is kept or on a large farm where hundreds of cattle are to be fed. These recommendations to you have the approval of Clemson College and agricultural workers of Lee County. You can get additional help and information by contacting Agricultural Teachers, County Agents, Soil Conservation Technicians, and Veterans' Teachers. Any of the above mentioned will be in position to give you what we consider the best in grazing today and when something better comes, you will be advised.

In making these recommendations, we have only included crops and combinations of crops that will make economical growth in this section and also produce seed for future plantings. We are of the opinion that if grazing crops do the most good to the largest number of farmers, the large majority of the seed must be grown on the farm.

We have marked out several crop combinations, any of which should be satisfactory, and you should be the judge as to which will fit in your farm program.

In discussing these various crops and practices, considerable amount of time and thought has been spent to give you practically year round grazing recommendations. Study these suggestions and fit them to the best advantage on your farm.

PASTURE FERTILIZATION:

Ample fertilization is basic to any good pasture program. Spend your first money for fertilizer, in the form of lime, basic slag, superphosphate and complete fertilizer, and be sure that the fertilizer is there before money is spent for high priced seed. We realize some may think our fertilizer recommendation is too high for pastures, but fertility is essential in growing pasture grasses and legumes as much so as your field crops.

PERMANENT PASTURES:

Permanent pastures are basic in any livestock program and the rest of the grazing program should fit in to supplement the permanent pasture when it cannot afford ample succulent grasses and legumes. Pastures should be fertilized and limed and treated as one of the most important crops on the farm. The permanent pastures should include a mixture of at least 3 of the following: Bermuda Grass, Dallas Grass, Lespedeza, White Dutch Clover, Ladino Clover, and Hop Clover. Other desirable grasses and legumes will come in where the pasture land is properly fertilized and limed.

OLD PASTURES:

Many old established pastures have a good sod of bermuda and you want to add some of the other plants. We suggest that you disk the sod shallow in the early fall, thoroughly pulverizing 2 inches of the surface soil, then fertilize and seed according to pasture seeding recommendations.

Bishopville, South Carolina
September 17, 1947

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NEW PASTURES:

If a new pasture is to be established, prepare a good seed bed, fertilize and lime. Firm the seed bed by using a smoothing harrow and cultipacker or smoothing harrow and lag. Seed and fertilize according to pasture recommendations.

FERTILIZER AND SEEDING:

Unless you are willing to put down plenty of fertilizer and enough seed to completely cover the land surface with plants, don't plant supplemental grazing. Fertilizer is essential for maximum growth, and a large number of plants per acre is essential to keep cattle from bogging down in the soil.

SEED BED PREPARATION:

Too little attention has been given to seed bed preparation in the past. The land should be disked several weeks before seeding date and kept fallowed, allowing the land to become free from weeds and making the moisture condition favorable for germination. Be sure to pack land after seeding. Spend more time and effort in making good seed beds and less money for high priced seed.

INNOCULATION:

Be sure to inoculate all clover seed planted using 3 to 5 times the amount recommended by the manufacturer. Be sure to sow the seed late in the afternoon or during a damp cloudy day. If the seed can be mixed with manure better results are expected.

SMALL GRAIN:

There are plenty of oats and wheat and some barley on most farms in the county. Therefore, there is no excuse for the cow not having green winter grazing. Oats and wheat or oats and barley or either alone makes an excellent grazing patch. Better still is a mixture of grain and crimson clover where the soil has been well limed.

RYE GRASS:

Rye grass alone or in a mixture of crimson clover is one of the best winter and spring grazing crops. However, rye grass is a little slow to get started in the fall, but a field in rye grass and a field in small grain make a good combination. Of course, it is better to have clover in all the grazing mixtures. Rye grass is also a good producer of seed if livestock are taken off by April 1st.

CRIMSON CLOVER:

Crimson clover should be seeded with rye grass or small grain.

LADINO CLOVER:

One of the best for grazing alone or in a mixture of grasses. It does best in bottom lands or good heavy fertile soils that have been thoroughly limed. This clover should fit about 90% of the farms in Lee County. It is a perennial plant and once established, your seeding troubles are over.

SUBTERRANEAN CLOVER:

Sub clover has shown promising results in some sections of the state on upland soil.

If you would like to try some on poorer well drained soils, plant a mixture of 7 lbs. clover and 9 lbs. of fescue. You may like it.

FESCUE:

This perennial grass hasn't been introduced in this section very long, but will probably mean a lot toward cattle raising because of its long grazing period (10 - 11 months), ability to survive in most weather conditions, grow on most all soil types, vigorous growth and high seed yielding ability. Don't expect too much grazing the first year. Plant Kentucky 31 or Alta.

LESPEDeza:

An annual legume that has meant a lot to this county because of its qualities as a soil builder, seed crop, hay crop and grazing crop. You can find it on most farms in the county now.

PEARL MILLET:

An excellent grazing crop for summer use and should be included in every grazing program where ample permanent pastures are not available.

SWEET SUDAN:

One of the best summer grazing crops if treated right.

KUDZU:

Once established is considered an excellent grazing crop and soil conservation crop.

SERICEA:

An excellent soil builder and seed crop. However, for hay and grazing, it is considered as an emergency crop.

BAHIA GRASS:

This perennial grass promises to be a good grazing crop. It does well on lowlands and fairly good on upland pastures. The seeding rate is 10 lbs. per acre and land preparation and fertilizer rates are the same as the permanent pasture.

BY: W. L. Bryant
County Agent

V. F. Linder
Ass't. County Agent

LEE COUNTY GRAZING CALENDAR

Grazing Seasons	Grazing Mixtures	Seeding Dates	Seeding Rates Per Acre	Expected Grazing Dates	Fertilization	Remarks
	: Oats and Crimson Clover	: Aug. 20 to Oct. 1	: Oats 5 to 7 bu. : Crimson Clover 20#	: November 1	: 600-1000# complete	: These mixtures should be seeded early so cattle can go from the permanent to the grain grazing or to the mixture of grain and crimson clover.
	: Barley and Crimson Clover	: Aug. 20 to Oct. 1	: Barley 5 to 7 bu. : Crimson Clover 20#	: to	: fertilizer and top-	
Fall,	: Oats, Barley or wheat and Crimson Clover	: Aug. 20 to Oct. 1	: Oats 4 bu. barley 4 bu. : crimson clover 20#, wheat 1 1/2 bu.	: April 1	: dress 300-500#	
Winter,	: Oats or barley alone	: Aug. 20 to Oct. 1	: Alone 5-7 bu.		: nitrate soda equivalent	
and	: or mixture of oats & barley or wheat		: Mixture 2-3 bu. barley and 2-3 bu. oats or 1 1/2 bu. wheat:			
Early Spring	: Rye Grass and Crimson Clover	: Aug. 20 to Oct. 1	: 40# rye grass : 20# crimson clover	: November 15	: lent with split applications	: Rye grass alone or with mixtures gives an excellent grazing crop and also produces a large seed crop. Be sure that all clover seed are inoculated.
	: Rye Grass and Sub. Clover on upland	: Sept. 1 to Oct. 1	: 40# rye grass : 10# sub clover	: to	: 1 ton lime every	
	: Rye grass alone	: Aug. 1 to Oct. 1	: 40 to 50#	: May 1		
	: Fescue alone				: 3 yrs. and 500#	
Fall,	: (Alta or Kentucky 31		: 12 to 15#			: Fescue (Alta or Ky. 31) is new in this section and is very promising grass. Can be grazed 10 mos. per yr. Produces large seed crop.
Winter,	: Fescue and Sub Clover (upland)		: 8-10# fescue : 6-8# sub clover	: September 1	: superphosphate	
Spring,	: Fescue and Ladino	: September	: 10# fescue		: or 1000# basic	: Mixtures of fescue & clovers should make good combination.
and	: Clover		: 3# ladino	: to	: slag every 3 yrs.	
Summer	: Ladino clover (bottom)		: 4-6#			: These clovers will do well on any farm as grazing crop alone or will fit well in the permanent pasture.
	: Sub Clover (upland)		: 10-15#	: July 1	: All available manure	
	: Common, Kobe or Korean Lespedeza	: Feb. and March	: 40-60#	: June 15 : to Oct. 15	: 1 T. lime every 3 yrs. : 500# superphosphate or 1000# basic slag every 3 yrs; 4-600# 3-12-12	: A crop no farm can afford to be without. Good hay crop, soil-builder, and grazes alone or in any mixture.
Summer	: Pearl Millet	: Apr. 1 to June 1	: 40#	: 6 wks. after plant-	: 600-1000# Complete	
	: Sweet Sudan		: 40#	: ing until Aug. 15	: fertilizer	
	: Kudzu	: Dec. 1 to Apr. 1	: 500 crowns	: After 3-4 yrs. : June 15-Dec. 15	: 400# 3-12-12 and 400-800# 0-12-12	: Cultivate first 2 yrs.
	: Sericea	: Mar. 20 to May 15	: 40# scarified	: Apr. 1 to Nov. 1	: annually	
	: Bermuda		: Sprig		: 600-1000# comp. fert.	: Many desirable grasses and legumes will naturally come in if pasture lands are properly fertilized and limed.
Perma-	: Dallas		: 10#		: 1 T. lime every 3 yrs.	
nent	: Lespedeza	: Feb. and March	: 20#	: March 1 to Dec.	: 1000# basic slag	
Pasture	: White Dutch		: 3#		: every 3 yrs.	
	: Ladino (bottom)					

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
October 14, 1947

TO: ALL MEMBERS, LEE COUNTY AGRICULTURAL PLANNING COMMITTEE

FRIDAY, OCTOBER 17th - 10:00 A. M., at our office, is
the time of year for the Lee County Agricultural Planning
Committee to meet.

It is our desire to get the farm leaders in the county
together with the different agricultural agencies once a year
and have a discussion of farm problems of last year, and how
we can best meet these and other problems in the future.

You are an important factor in the county toward develop-
ing a better agriculture. We need you to help us plan our
work for next year. Come full of ideas and ready to give
them to us as you see them.

Our district agent's will be with us to help motivate
our activities for another year.

Will see you then.

Very truly yours,

W. L. Bryant
W. L. Bryant
County Agent

Mary Ida Warner
Mary Ida Warner
County H. D. Agent

V. F. Linder
V. F. Linder
Asst. County Agent

Freeda Carter
Freeda Carter
Asst. County H. D. Agent

WLB/ib

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
October 22, 1947

TO ALL MILK PRODUCERS IN LEE COUNTY:

IMPORTANT

Following are a few reasons why you cannot afford to miss the Dr. Hopson meeting at:

FLORENCE, S. C., 10:00 A. M. - 4:00 P. M., OCTOBER 31,
AUDITORIUM AT THE Y. M. C. A.

Mastitis is one of the dread udder infections which is causing so many dairymen so much trouble--high bacteria counts and loss of one or more quarters. **MASTITIS CAN BE CONTROLLED!**

Dr. Hopson is a national authority on mastitis and will discuss all phases of it.

Improper use of the milking machine is the cause of a great deal of our mastitis trouble. The properly managed milking machine will cause less mastitis than poor hand milking or even good hand milking. See an expert--N. S. Carlson--show the proper use of the milking machine in an actual demonstration.

See the newest color picture "NO HAND STRIPPING" by Dr. W. E. Peterson.

Don't miss this. Bring your milkers with you. Be prepared to ask questions. Lets get the latest practical information on "MASTITIS CONTROL."

Yours very truly,

W. L. Bryant
W. L. Bryant
County Agent

COOPERATIVE EXTENSION WORK
IN
AGRICULTURE AND HOME ECONOMICS
STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE
OF SOUTH CAROLINA AND
UNITED STATES DEPARTMENT OF
AGRICULTURE COOPERATING

EXTENSION SERVICE

Bishopville, S. C.
November 17, 1947

Dear 4-H Club Officer:

Congratulations on your election as a 4-H Club officer for 1947-48! The Club is expecting great things to be accomplished with you as a club leader.

We are planning a special meeting for all club officers which will give you training for your office.

The meeting will be held on FRIDAY, NOVEMBER 21 AT 3:30 O'CLOCK AT THE BISHOPVILLE HIGH SCHOOL. Please make every effort to attend!

Sincerely,

W. L. Bryant
W. L. Bryant
County Agent

V. F. Linder
V. F. Linder
Asst. County Agent

Mary Ida Warner
Mary Ida Warner
County Home Dem. Agent

Frieda Carter
Frieda Carter
Asst. County Home Dem. Agent

On the following pages will be found
specimen copies of news articles issued
during the year.

FARM AND HOME NEWS COLUMN
BY
W. L. BRYANT, COUNTY AGENT

4-H CLUB BOYS SELL 73 FINE HOGS AT SALE TUESDAY

First Show And Sale Ever Held Here. Boys Received \$3,640.50 For Hogs.

Lee County had its first 4-H Club Fat Barrow Show and Sale at the Lee County Agricultural Fair Grounds Tuesday morning with a total of 73 fine hogs being shown and sold. Ballentine Packing Company, of Greenville, S. C. bought the entire lot for a total of \$3,640.50, which was 50 cents per hundred above the quoted price on Tuesday. The hogs weighed 13,680 pounds and were as fine a lot as have ever been assembled in the county at one time.

A noteworthy fact is that out of the 73 hogs only four graded medium while 69 graded good or choice.

The hogs were grown out by nine Lee County 4-H Club boys under the direction of County Agent W. L. Bryant and Assistant County Agent V. F. Linder. Hogs in the show and sale were owned by the following boys: Edward McDowell, 5 hogs; Walter Brown, 20 hogs; Dick and Joe Heriot, 8; Farrel Smith 5; Lavern McCaskill 24; Wade Stokes, 4; Robert Prince, 4; Henry Broadway 3.

Walter Brown and Lavern McCaskill took top honors in the hogs that were exhibited and judged. Brown had the Champion Single and Reserve Champion Single and the Reserve Champion Pen of Three. McCaskill had the Champion Pen of Three.

Those who attended the show and sale were much pleased with the work that the 4-H Boys have done in growing out hogs and were convinced that if a few of the fathers of boys in Lee County would do as well that the growing of hogs in Lee County would be on a much higher plane than it now is.

The Show and Sale was made possible by the following firms and organizations and will be a yearly affair from now on: Palmetto Oil Mill, Bishopville Petroleum Company, McLendon & Cummings, Denny Jewelry Company, Copeland's Grocery, Stuckey & Woodham, Huggins Furniture Company, Lee Unit Sugar Yam Growers, The Peoples Bank and Lee County Livestock Association.

AAA CASH PAYMENTS FOR PERMANENT PASTURES

With the increase of livestock the economic importance of good permanent pasture in feed replacement, good land use, and erosion control places them in the first rank as a badly needed crop for development in the state, says J. M. Napier, extension-AAA agent.

Many South Carolina farmers have demonstrated that they can have excellent pastures if they will meet the lime, fertilizer, seeding, and other requirements necessary for establishing good pastures.

The Triple-A offers liberal cash payments to cooperating farmers for es-

tablishing or re-seeding permanent pastures by seeding adapted pasture legumes or grasses, as well as for applications of lime, superphosphate, basic slag, and potash, Mr. Napier points out. Also, the Triple-A offers cash payments for mowing pastures and building barb or woven-wire fences for pasture.

By careful planning in the combination and carrying out of practices applicable to pastures, a cooperating farmer may earn AAA payments amounting to about \$50 per acre, Mr. Napier says. Any farmer who is interested should contact his county agent, AAA office, or AAA committeemen for details.

FREE COTTON CLASSIFICATION TO LEE COUNTY FARMERS

Recently Lee County organized a "One Variety Cotton Classification Improvement Program". In short, this means free classifying of cotton to farmers.

All farmers are urged to get behind their local ginner and see that he makes necessary arrangements to give you the free service when you start ginning.

As we all know, marketing is becoming more and more important to the cotton farmer. At the present price of cotton, farmers can easily lose several dollars a bale by not knowing the exact market value of their cotton when they get ready to sell.

Official Classing of cotton by the U. S. Department of Agriculture enables the grower to know the exact grade and staple length for each bale he produces. With such information and by checking price quotations, the grower can figure what his cotton should bring.

If you want to know more about the Program in Lee County, see W. L. Bryant your County Agent, before August 1st.

PLANT AND TRANSPLANT FOR FALL GARDENS

Plants of such vegetables as collards, celery, cabbage, and tomatoes are usually scarce for transplanting for fall gardens. A. E. Schilleter, extension horticulturist, suggests that everything possible be done to save the plants and cause them to grow off rapidly after transplanting. He advises puddling the roots. To puddle the roots they are plunged into a mixture of soil and water before being planted. After they have been put out the plants should be shaded with newspapers, pine tops, or old shingles until the growth begins.

Mr. Schilleter calls attention to the fact that during July plantings should be made of turnips for greens, rutabaga turnips, beans, beets, carrots, corn, squash and Irish potatoes.

SELECT SWEET POTATO SEED AT DIGGING TIME

Sweet potato growers can do a better job of selecting seed potatoes at digging time than at bedding time, says Hugh A. Bowers, Clemson extension truck crops specialist. He points out that at harvesting time they can observe conditions under which the potatoes grew, the number and size of potatoes per hill, and other factors influencing quality, size, and production.

"It is important that growers give more attention to seed selection," he said. "The foundation or basis of growing high quality potatoes is good seed stock. High quality potatoes will sell for good prices at any time, but from now on it is going to be hard to sell potatoes that are not of good quality."

Mr. Bowers gives the following helpful suggestions to guide growers in the selection of their seed stock at digging time.

1. Save seed from vine cuttings or "cut sprouts".
2. Make hill selection by saving seed from high-producing hills having 3 or more No. 1's per hill. Keep only No. 1 size potatoes for seed stock.
3. Make selections for good copper-colored skin and good shape. Discard all mutations.
4. Jumbo potatoes make good seed stock. They will not produce as many sprouts as small potatoes, but the sprouts will be stronger and more vigorous than the sprouts coming from small potatoes.

The final selection of seed stock will come at bedding time when cutting for interior color can be done.

APPLY TREATMENTS NOW TO TOBACCO PLANTBEDS

The need for hand weeding can be greatly reduced by proper use of chemical treatment of tobacco plantbeds, according to W. L. Bryant, County Agent, who advises that this treatment should be applied immediately for best results.

"Cyanamid used at the rate of 1 pound per square yard, or Uramon at the rate of 1 to 1½ pounds per square yard, may be used alone for weed control, but better results are usually obtained when a combination of the two is used", Mr. Bryant said. "When used together 1 pound of Uramon and ½ pound Cyanamid should be used to each square yard of bed area. In applying the material, the soil should be well pulverized by plowing and discing. Two-thirds of the material should then be well mixed with the top 3 to 4 inches of the soil and the soil smoothed. The other one-third should be scattered evenly over the smoothed soil and raked very lightly with a garden rake."

He urged that plantbeds be treated 60 to 90 days prior to seeding, preferably 90, or otherwise toxicity may be left in the soil that will injure germination or retard early growth of the tobacco seedlings.

He pointed out that while Cyanamid is an effective weed killer it does not have any effect on soil-borne diseases, while the Uramon or the combination of Uramon and Cyanamid will kill weeds and at the same time greatly reduce the diseases present in the bed area. As insurance against the possibility of disease in the plantbed and to assure a more effective weed control, the combination treatment is recommended over either material alone.

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PEACH TREE BORER CONTROL AND WINTER SPRAYS FOR FRUIT TREES

It is now the proper time to apply the borer treatment to peach trees since at this season of the year the borers are concentrated around the trunk of the tree just below the surface of the ground where they can be advantageously controlled. While there are several treatments now recommended, paradichlorobenzene (PDB) is probably the easiest to obtain and use.

$\frac{3}{4}$ of an ounce of PDB is used per tree under 5 years of age and one ounce to trees 6 years old or older. This treatment is applied by first cleaning and leveling the dirt at the base of the peach tree. The PDB is then placed in a band about $1\frac{1}{2}$ inches wide around the tree and this ring should be not nearer than $1\frac{1}{2}$ inches from the base of the tree. Immediately after application is made a mound should be built around the base of the tree covering the PDB. This mound should be removed from young trees after 4 weeks and from older trees after 6 weeks.

A spray of lime sulfur or oil emulsion should be used for the winter dormant spray for the control of scale, etc.

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